

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.39 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.96 dBV/m	Grid 2 M4 26.02 dBV/m	Grid 3 M4 25.86 dBV/m
Grid 4 M4 24.77 dBV/m	Grid 5 M4 25.86 dBV/m	Grid 6 M4 25.82 dBV/m
Grid 7 M4 24.73 dBV/m	Grid 8 M4 25.57 dBV/m	Grid 9 M4 25.57 dBV/m



0 dB = 20.00 V/m = 26.02 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.11 V/m; Power Drift = 0.07 dB

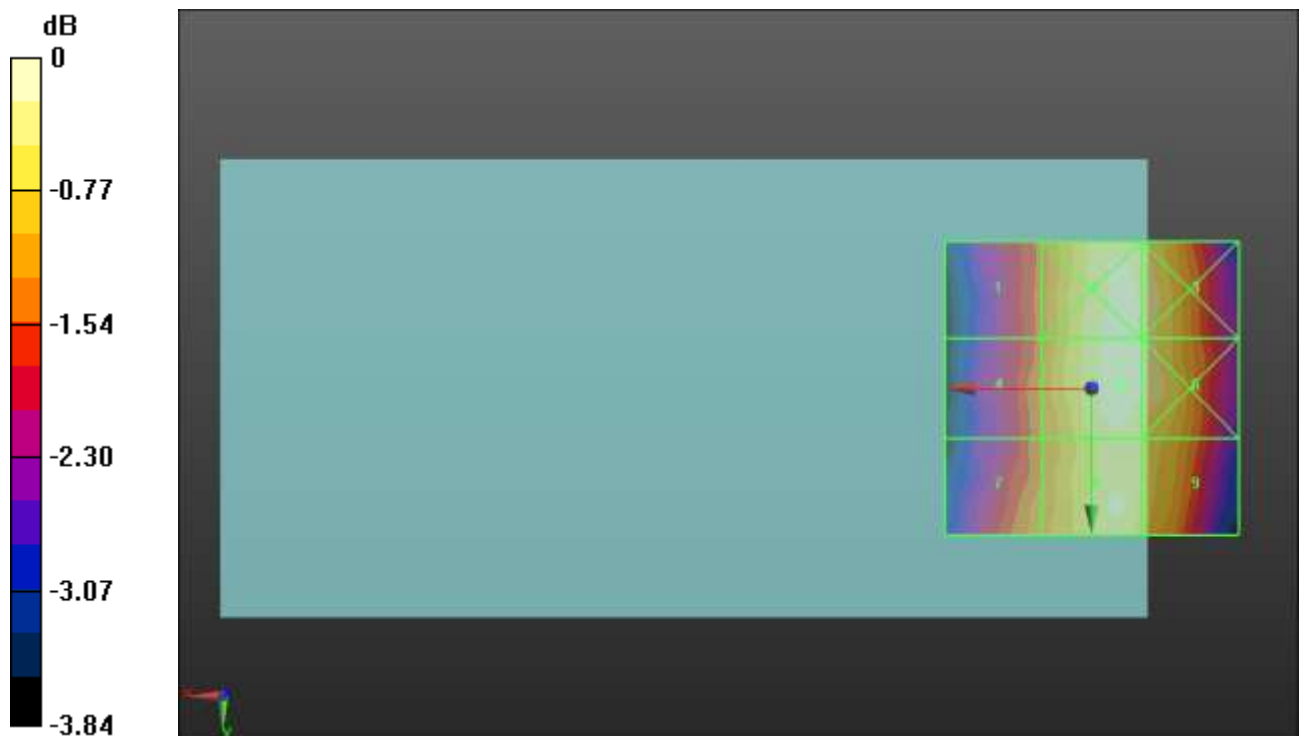
Applied MIF = 3.63 dB

RF audio interference level = 25.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.32 dBV/m	Grid 2 M4 25.54 dBV/m	Grid 3 M4 25.42 dBV/m
Grid 4 M4 24.49 dBV/m	Grid 5 M4 25.67 dBV/m	Grid 6 M4 25.47 dBV/m
Grid 7 M4 24.59 dBV/m	Grid 8 M4 25.47 dBV/m	Grid 9 M4 25.18 dBV/m



0 dB = 19.22 V/m = 25.68 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.95 V/m; Power Drift = -0.03 dB

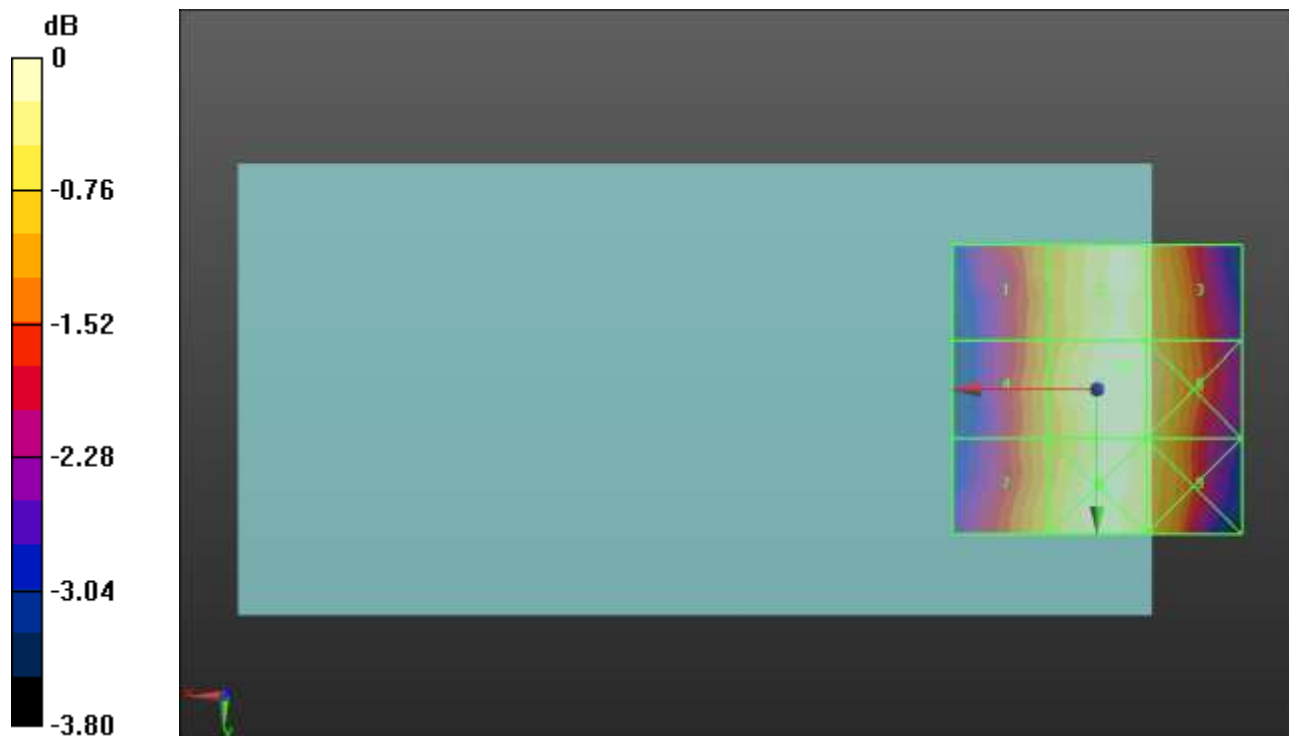
Applied MIF = 3.63 dB

RF audio interference level = 25.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.5 dBV/m	Grid 2 M4 25.35 dBV/m	Grid 3 M4 25.11 dBV/m
Grid 4 M4 24.57 dBV/m	Grid 5 M4 25.44 dBV/m	Grid 6 M4 25.24 dBV/m
Grid 7 M4 24.74 dBV/m	Grid 8 M4 25.39 dBV/m	Grid 9 M4 25.11 dBV/m



0 dB = 18.70 V/m = 25.44 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.69 V/m; Power Drift = -0.04 dB

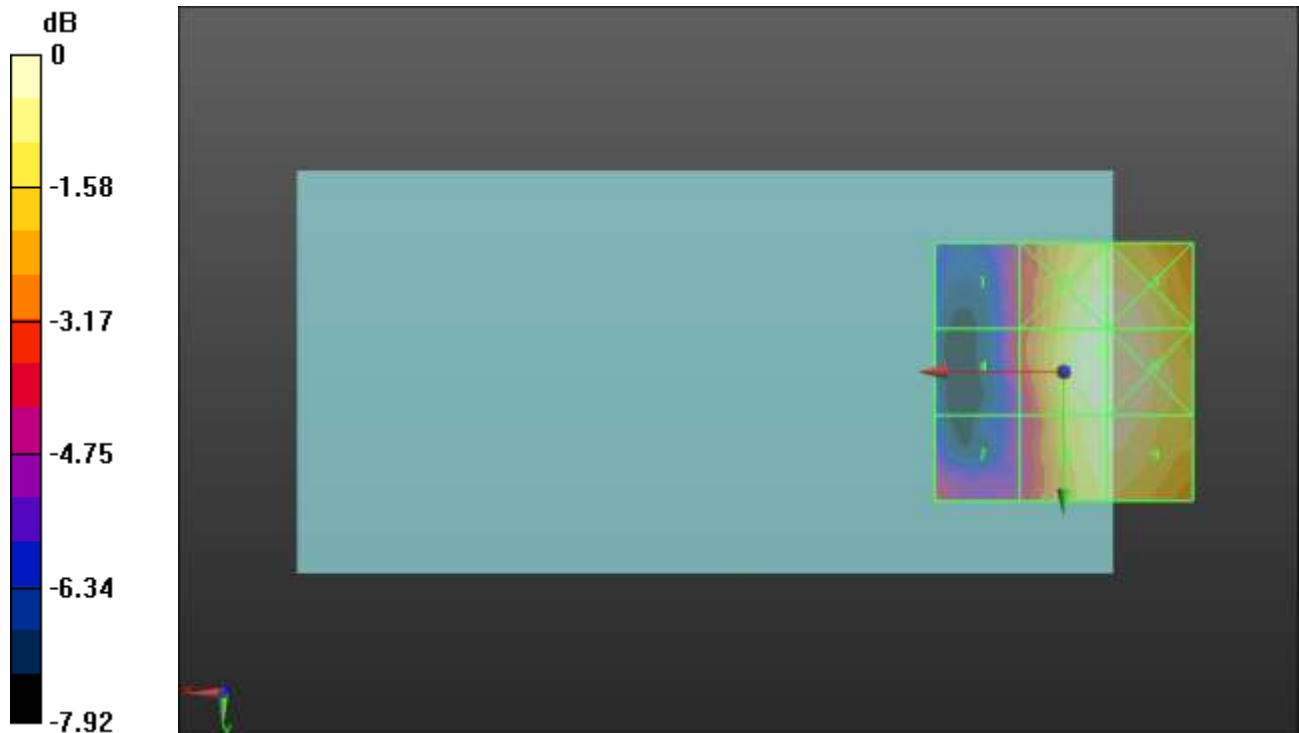
Applied MIF = 3.63 dB

RF audio interference level = 23.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.72 dBV/m	Grid 2 M4 23.25 dBV/m	Grid 3 M4 23.24 dBV/m
Grid 4 M4 20 dBV/m	Grid 5 M4 23.44 dBV/m	Grid 6 M4 23.44 dBV/m
Grid 7 M4 20.25 dBV/m	Grid 8 M4 23.08 dBV/m	Grid 9 M4 23.17 dBV/m



0 dB = 14.86 V/m = 23.44 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.08 V/m; Power Drift = 0.07 dB

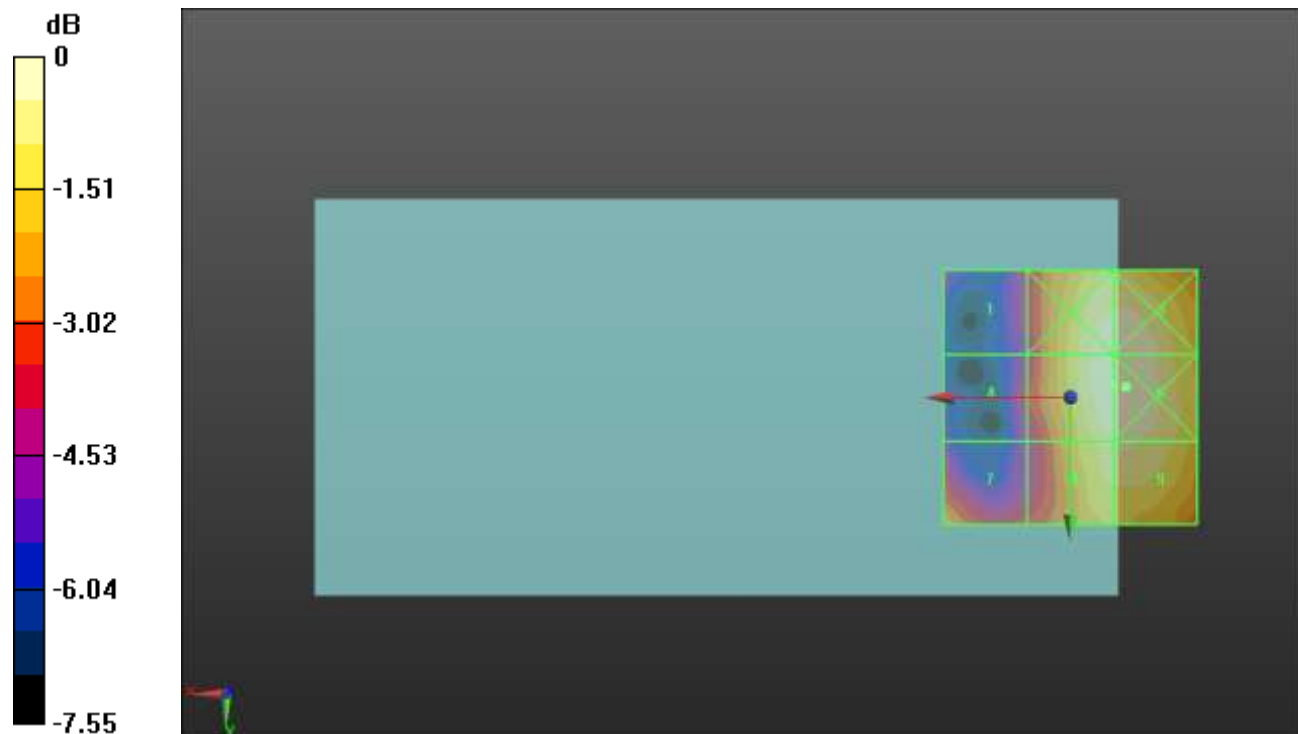
Applied MIF = 3.63 dB

RF audio interference level = 22.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.14 dBV/m	Grid 2 M4 22.86 dBV/m	Grid 3 M4 22.91 dBV/m
Grid 4 M4 19.41 dBV/m	Grid 5 M4 22.97 dBV/m	Grid 6 M4 23.02 dBV/m
Grid 7 M4 21.13 dBV/m	Grid 8 M4 22.51 dBV/m	Grid 9 M4 22.62 dBV/m



0 dB = 14.15 V/m = 23.02 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.498 V/m; Power Drift = -0.10 dB

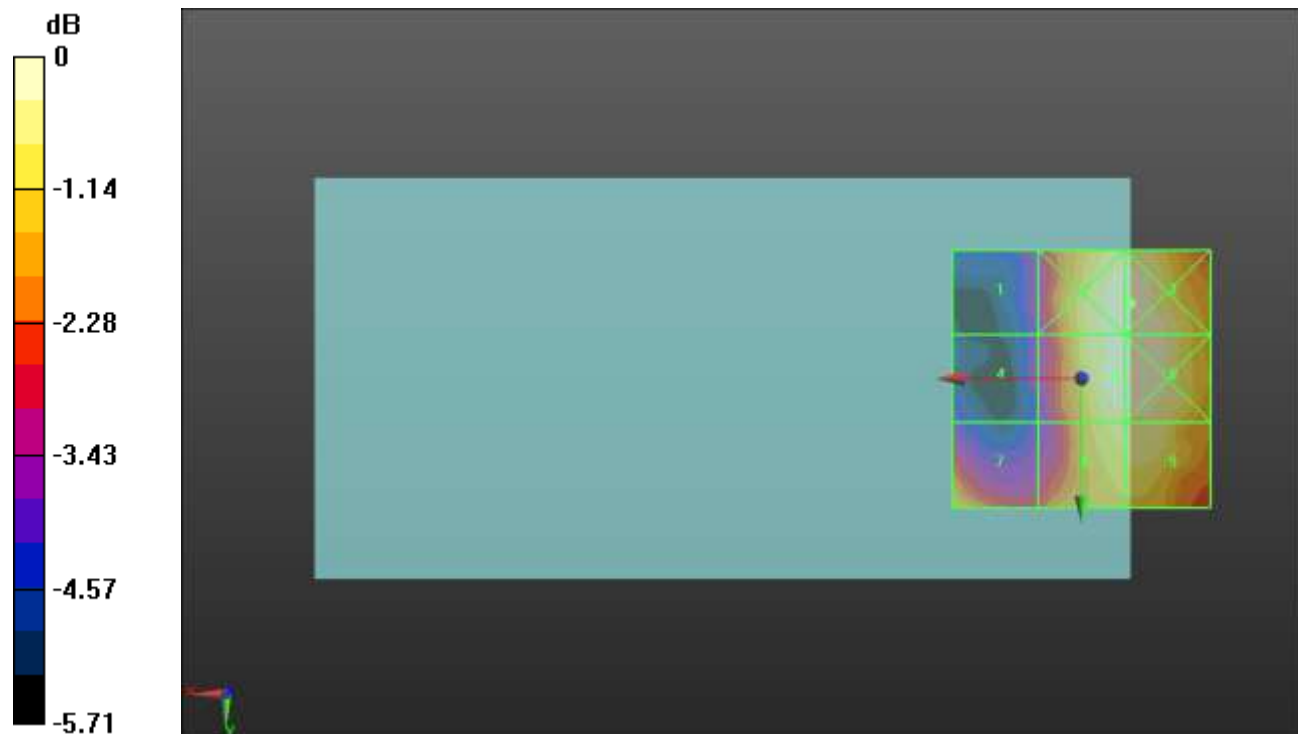
Applied MIF = 3.63 dB

RF audio interference level = 22.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.61 dBV/m	Grid 2 M4 22.86 dBV/m	Grid 3 M4 22.89 dBV/m
Grid 4 M4 19.47 dBV/m	Grid 5 M4 22.8 dBV/m	Grid 6 M4 22.82 dBV/m
Grid 7 M4 21.9 dBV/m	Grid 8 M4 22.31 dBV/m	Grid 9 M4 22.5 dBV/m



0 dB = 13.95 V/m = 22.89 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.71 V/m; Power Drift = -0.03 dB

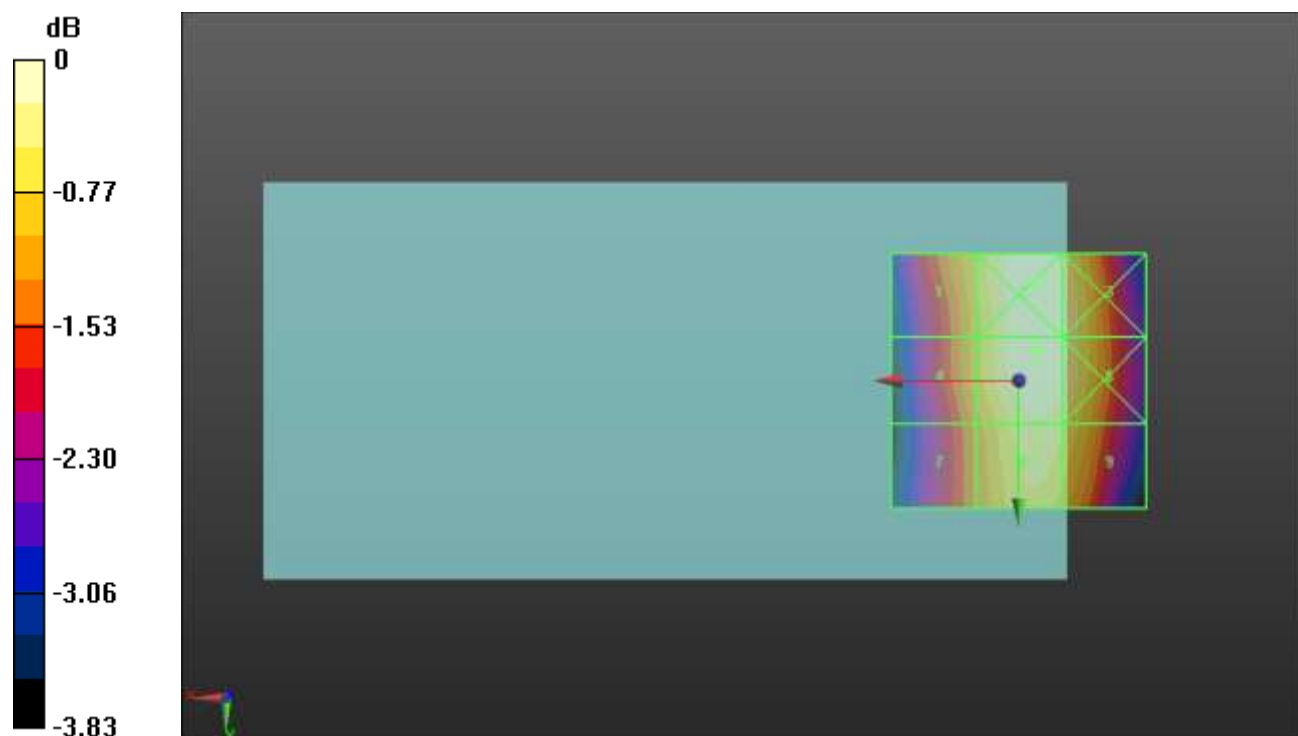
Applied MIF = 3.26 dB

RF audio interference level = 36.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.66 dBV/m	Grid 2 M4 36.35 dBV/m	Grid 3 M4 36.16 dBV/m
Grid 4 M4 35.49 dBV/m	Grid 5 M4 36.34 dBV/m	Grid 6 M4 36.16 dBV/m
Grid 7 M4 35.2 dBV/m	Grid 8 M4 36.07 dBV/m	Grid 9 M4 35.9 dBV/m



0 dB = 65.70 V/m = 36.35 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 52.71 V/m; Power Drift = 0.02 dB

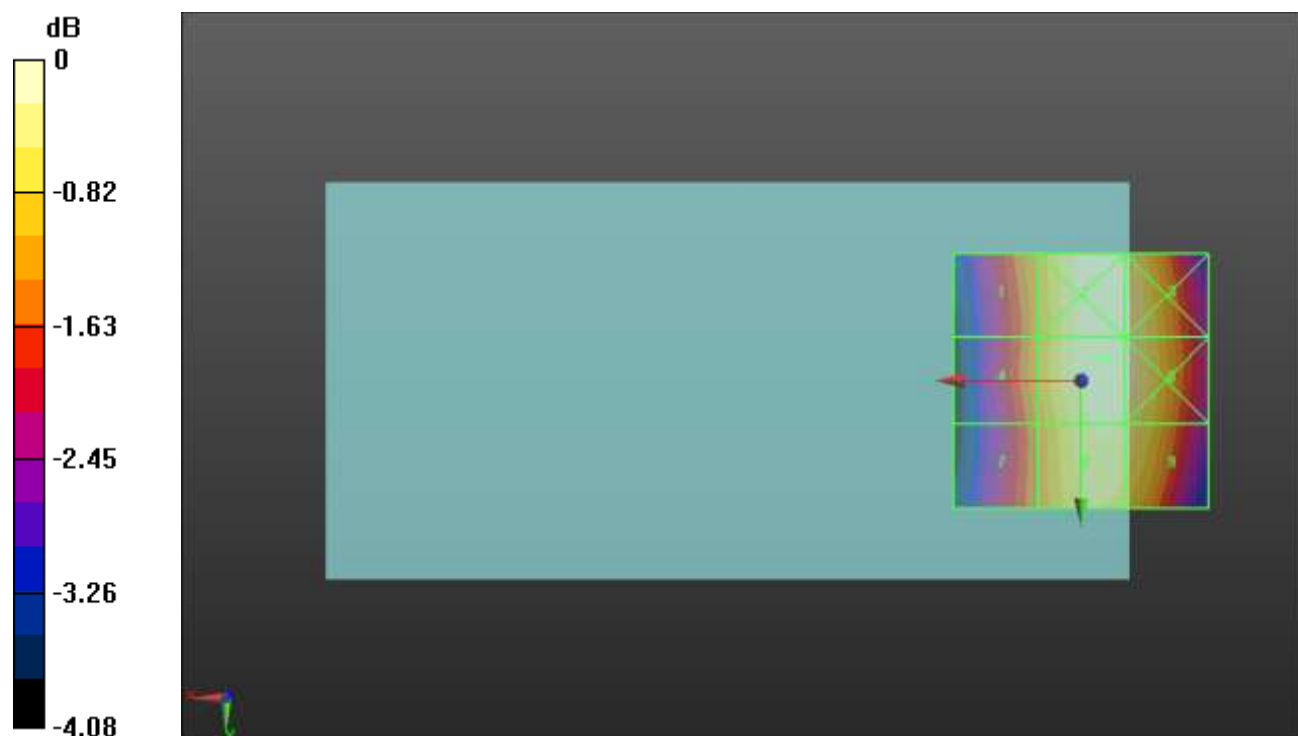
Applied MIF = 3.26 dB

RF audio interference level = 35.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.96 dBV/m	Grid 2 M4 35.94 dBV/m	Grid 3 M4 35.84 dBV/m
Grid 4 M4 34.91 dBV/m	Grid 5 M4 35.98 dBV/m	Grid 6 M4 35.88 dBV/m
Grid 7 M4 34.69 dBV/m	Grid 8 M4 35.76 dBV/m	Grid 9 M4 35.65 dBV/m



0 dB = 62.97 V/m = 35.98 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.86 V/m; Power Drift = -0.11 dB

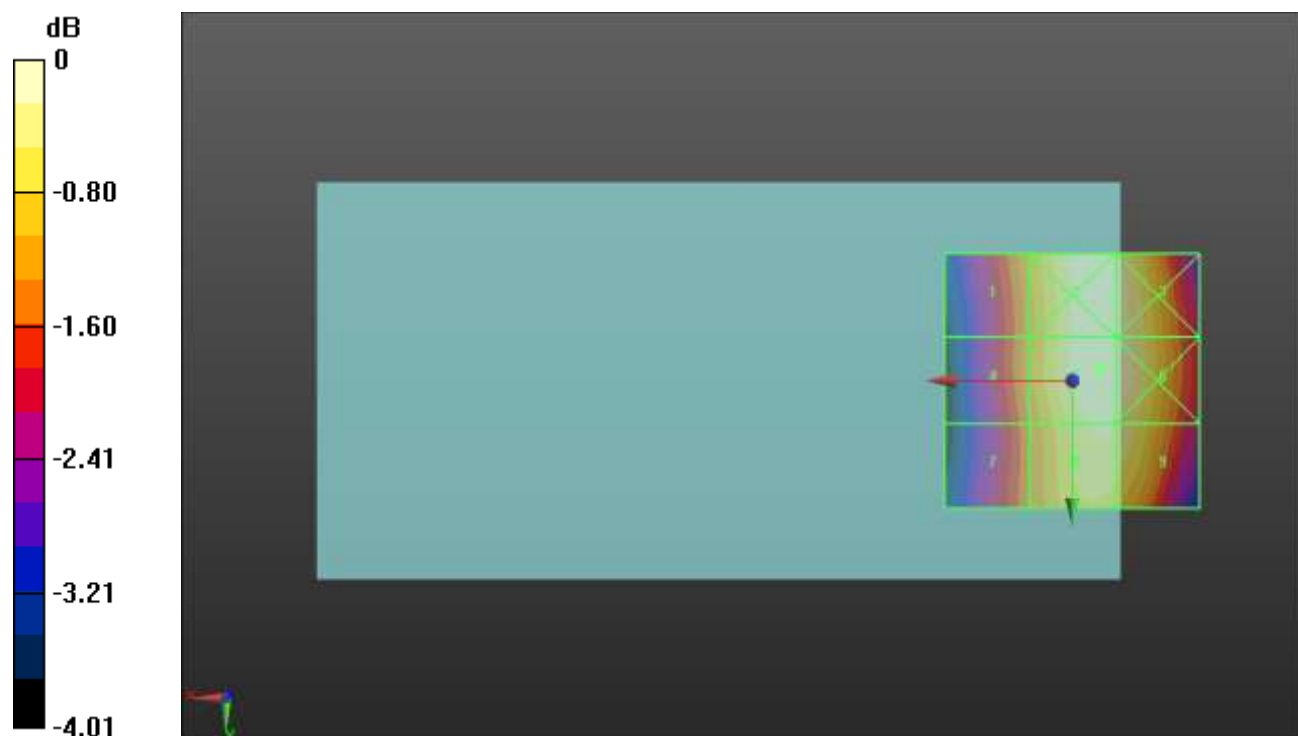
Applied MIF = 3.26 dB

RF audio interference level = 35.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.42 dBV/m	Grid 2 M4 35.45 dBV/m	Grid 3 M4 35.39 dBV/m
Grid 4 M4 34.35 dBV/m	Grid 5 M4 35.48 dBV/m	Grid 6 M4 35.42 dBV/m
Grid 7 M4 34.15 dBV/m	Grid 8 M4 35.26 dBV/m	Grid 9 M4 35.22 dBV/m



0 dB = 59.42 V/m = 35.48 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.76 V/m; Power Drift = -0.07 dB

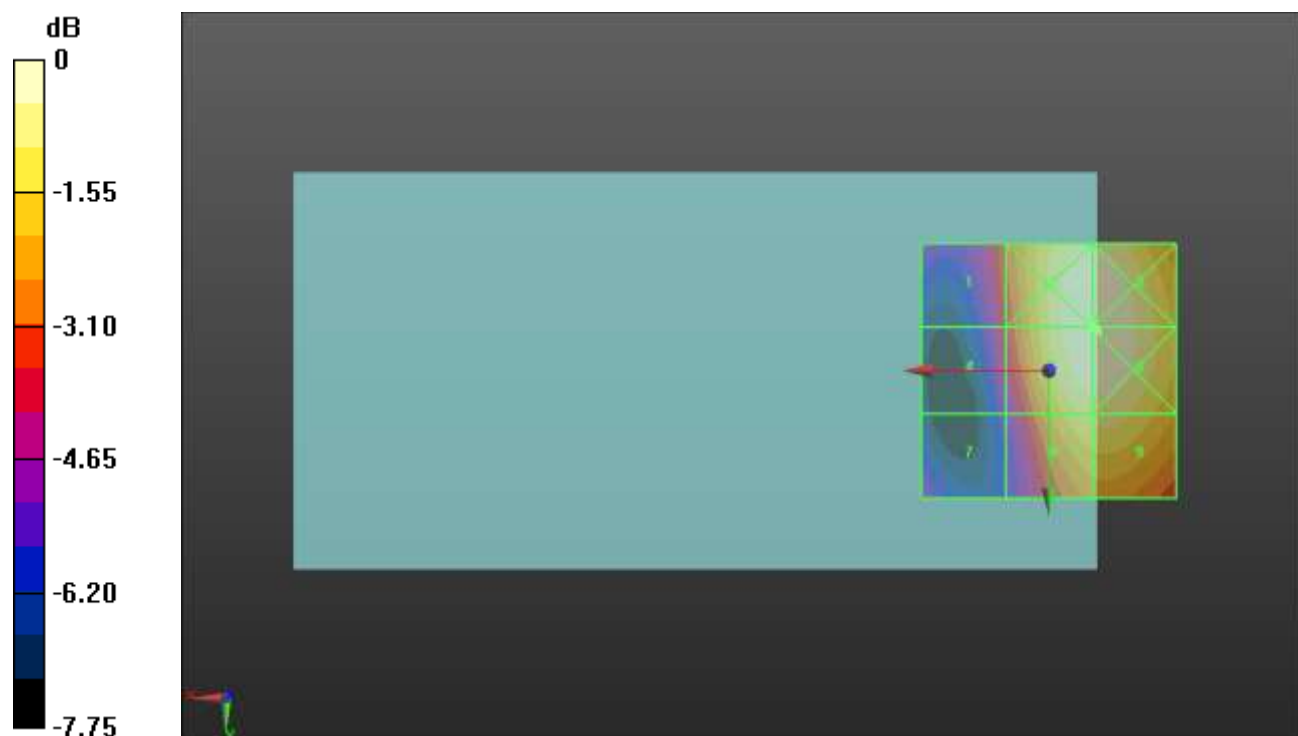
Applied MIF = 3.26 dB

RF audio interference level = 32.97 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.81 dBV/m	Grid 2 M3 32.97 dBV/m	Grid 3 M3 32.97 dBV/m
Grid 4 M4 29.3 dBV/m	Grid 5 M3 32.97 dBV/m	Grid 6 M3 32.97 dBV/m
Grid 7 M4 28.44 dBV/m	Grid 8 M3 32.13 dBV/m	Grid 9 M3 32.2 dBV/m



0 dB = 44.53 V/m = 32.97 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.92 V/m; Power Drift = -0.00 dB

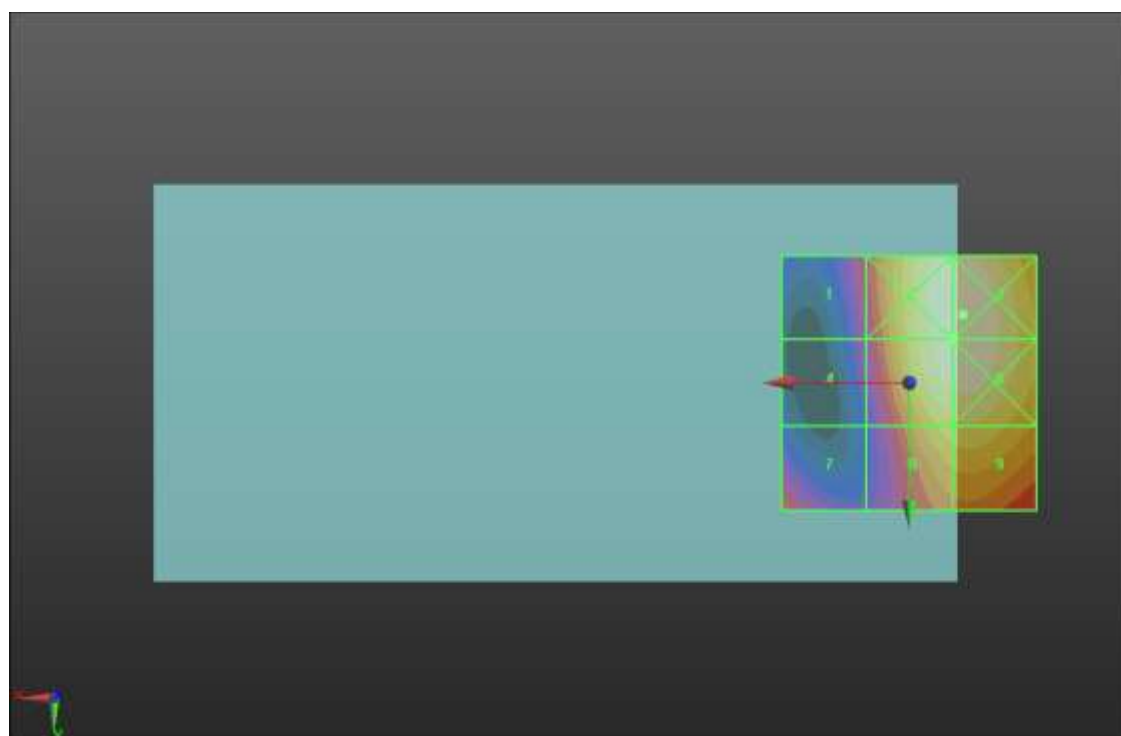
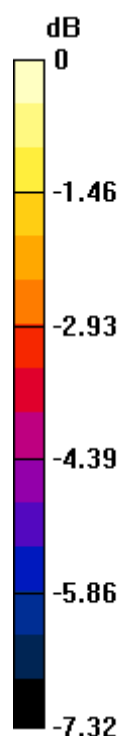
Applied MIF = 3.26 dB

RF audio interference level = 33.02 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.55 dBV/m	Grid 2 M3 33.07 dBV/m	Grid 3 M3 33.11 dBV/m
Grid 4 M4 28.93 dBV/m	Grid 5 M3 33.02 dBV/m	Grid 6 M3 33.07 dBV/m
Grid 7 M3 30.09 dBV/m	Grid 8 M3 31.96 dBV/m	Grid 9 M3 32.08 dBV/m



0 dB = 45.23 V/m = 33.11 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.62 V/m; Power Drift = -0.10 dB

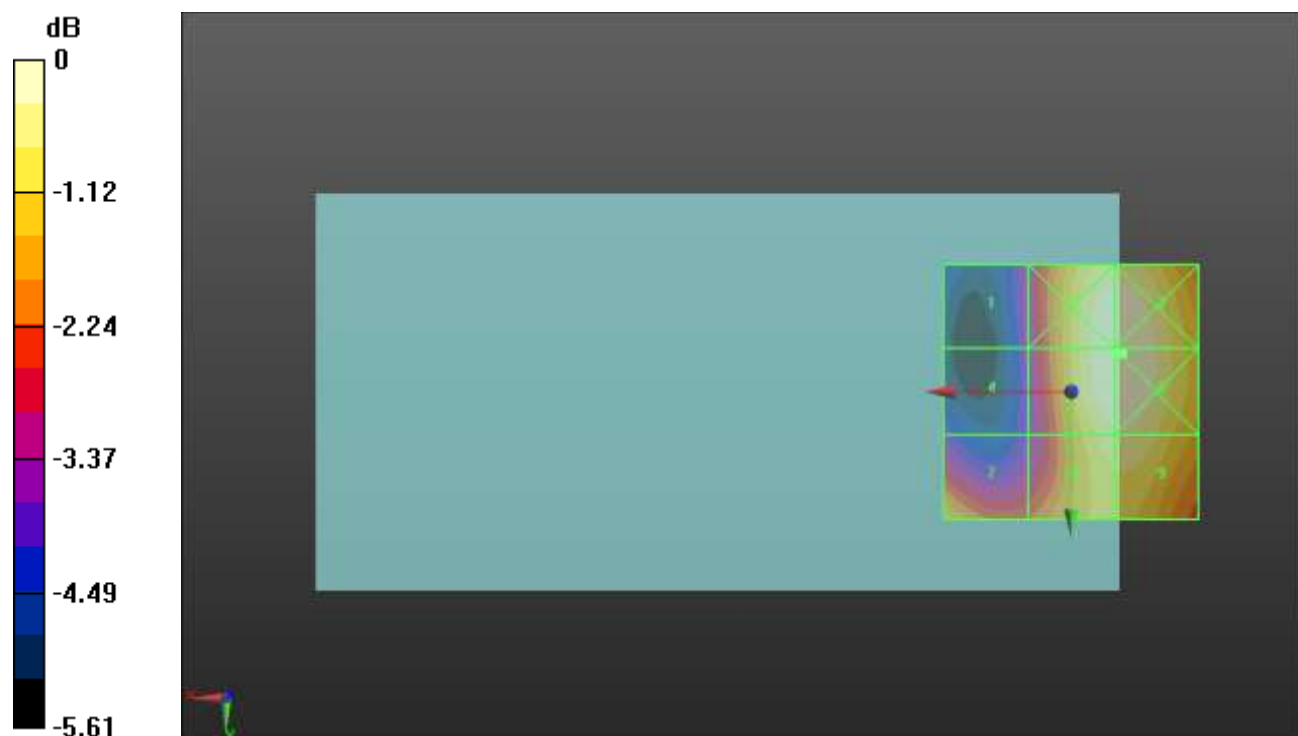
Applied MIF = 3.26 dB

RF audio interference level = 31.55 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.28 dBV/m	Grid 2 M3 31.55 dBV/m	Grid 3 M3 31.57 dBV/m
Grid 4 M4 28.05 dBV/m	Grid 5 M3 31.55 dBV/m	Grid 6 M3 31.57 dBV/m
Grid 7 M3 30.37 dBV/m	Grid 8 M3 31.12 dBV/m	Grid 9 M3 31.17 dBV/m



0 dB = 37.90 V/m = 31.57 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 54.44 V/m; Power Drift = -0.12 dB

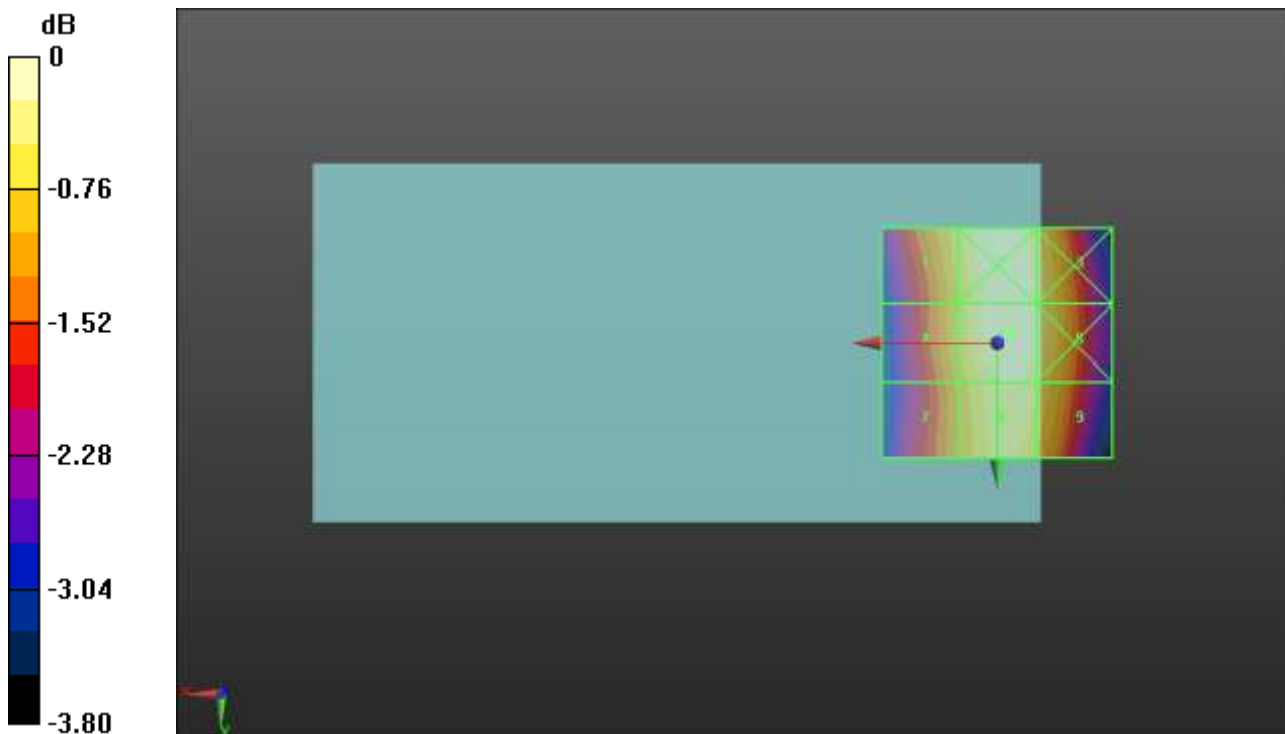
Applied MIF = 3.26 dB

RF audio interference level = 35.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.43 dBV/m	Grid 2 M4 35.95 dBV/m	Grid 3 M4 35.7 dBV/m
Grid 4 M4 35.29 dBV/m	Grid 5 M4 35.98 dBV/m	Grid 6 M4 35.72 dBV/m
Grid 7 M4 35.05 dBV/m	Grid 8 M4 35.75 dBV/m	Grid 9 M4 35.52 dBV/m



0 dB = 62.92 V/m = 35.98 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.58 V/m; Power Drift = -0.11 dB

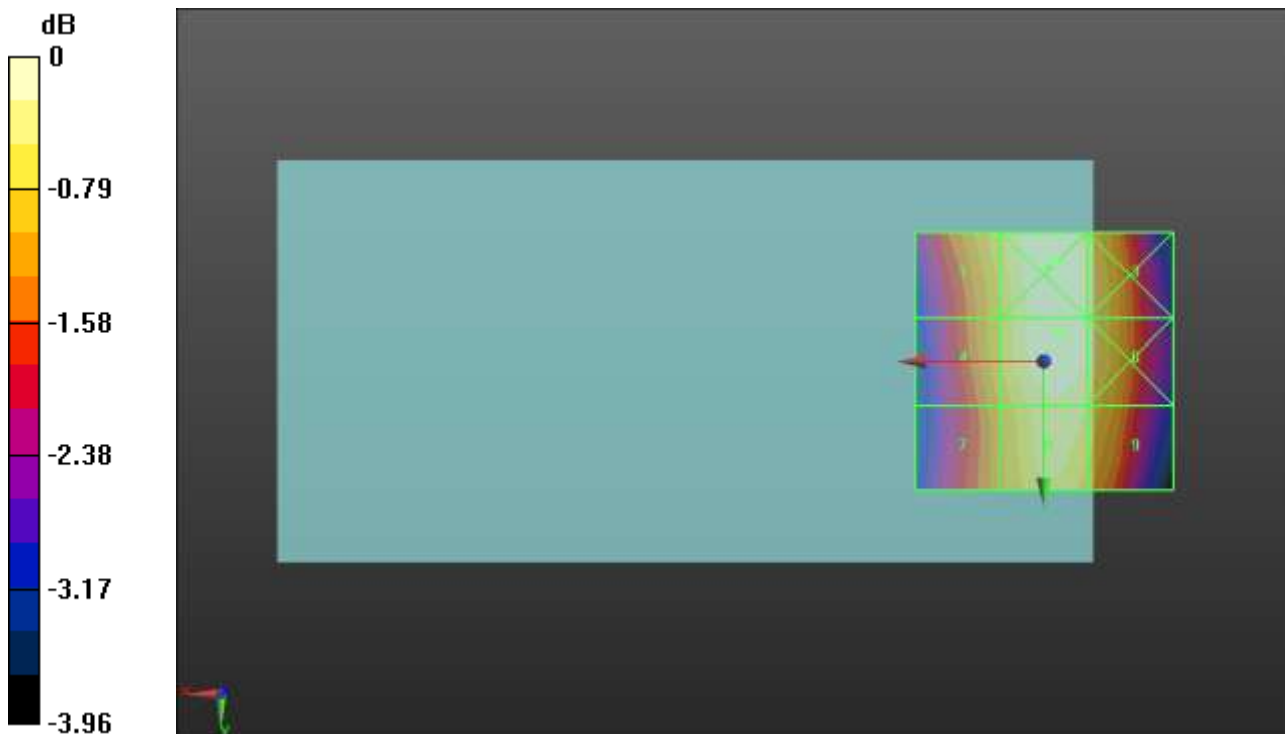
Applied MIF = 3.26 dB

RF audio interference level = 36.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.69 dBV/m	Grid 2 M4 36.25 dBV/m	Grid 3 M4 35.95 dBV/m
Grid 4 M4 35.49 dBV/m	Grid 5 M4 36.24 dBV/m	Grid 6 M4 35.95 dBV/m
Grid 7 M4 35.21 dBV/m	Grid 8 M4 35.94 dBV/m	Grid 9 M4 35.71 dBV/m



0 dB = 64.90 V/m = 36.24 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 57.21 V/m; Power Drift = -0.02 dB

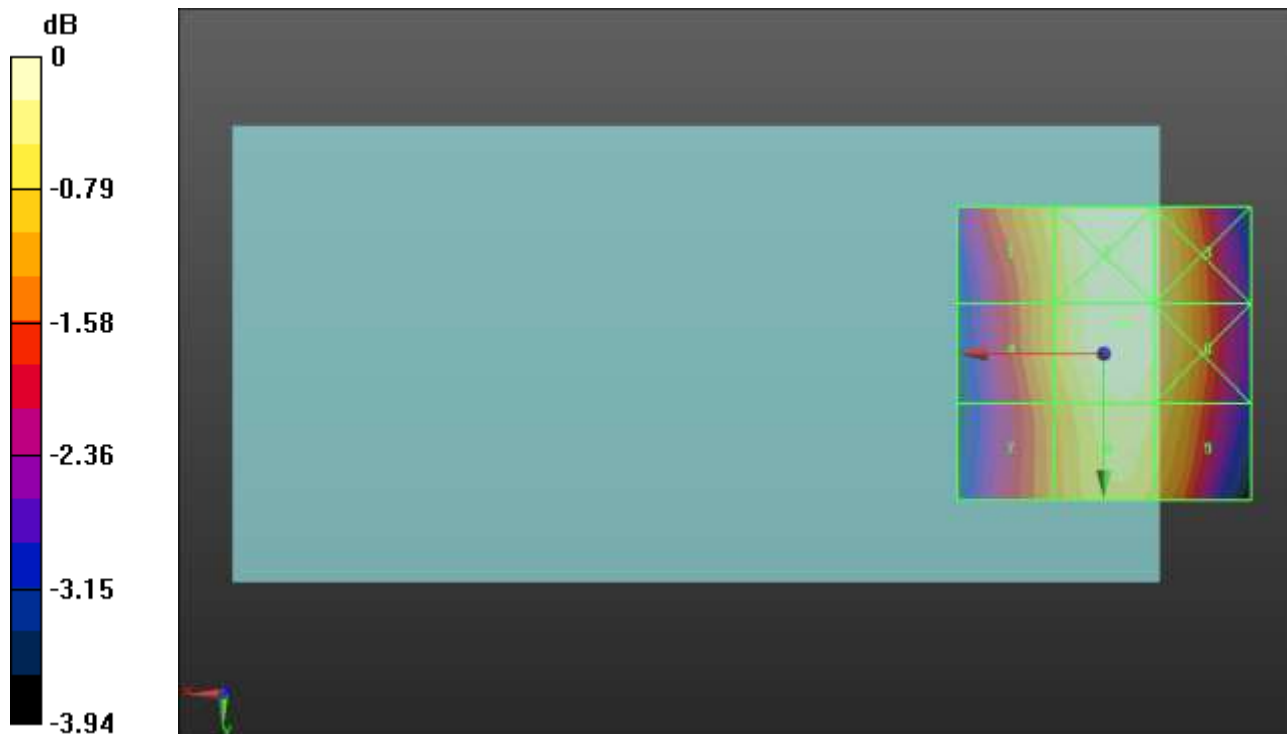
Applied MIF = 3.26 dB

RF audio interference level = 36.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.97 dBV/m	Grid 2 M4 36.53 dBV/m	Grid 3 M4 36.29 dBV/m
Grid 4 M4 35.76 dBV/m	Grid 5 M4 36.53 dBV/m	Grid 6 M4 36.31 dBV/m
Grid 7 M4 35.46 dBV/m	Grid 8 M4 36.26 dBV/m	Grid 9 M4 36.05 dBV/m



0 dB = 67.07 V/m = 36.53 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.881 V/m; Power Drift = -0.01 dB

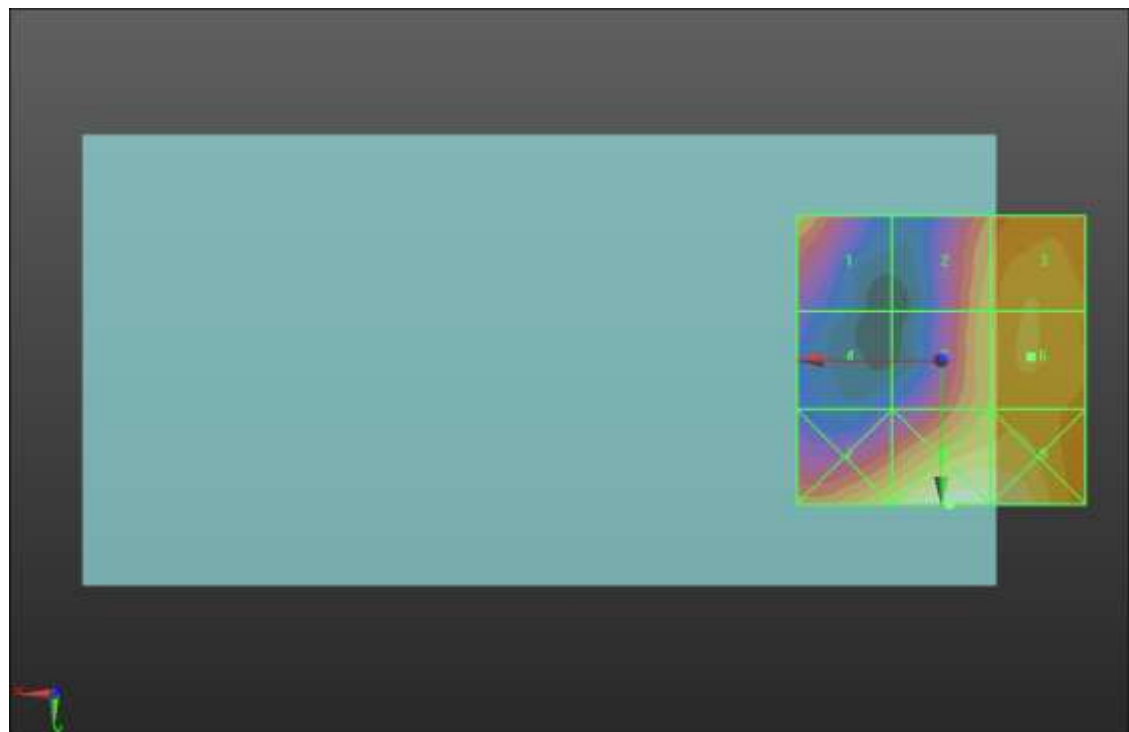
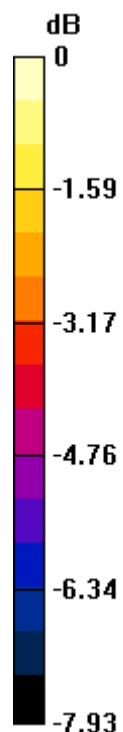
Applied MIF = -1.44 dB

RF audio interference level = 20.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.34 dBV/m	Grid 2 M4 19.48 dBV/m	Grid 3 M4 20.19 dBV/m
Grid 4 M4 16.57 dBV/m	Grid 5 M4 19.74 dBV/m	Grid 6 M4 20.24 dBV/m
Grid 7 M4 20.63 dBV/m	Grid 8 M4 21.73 dBV/m	Grid 9 M4 21.44 dBV/m



0 dB = 12.20 V/m = 21.73 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.213 V/m; Power Drift = -0.15 dB

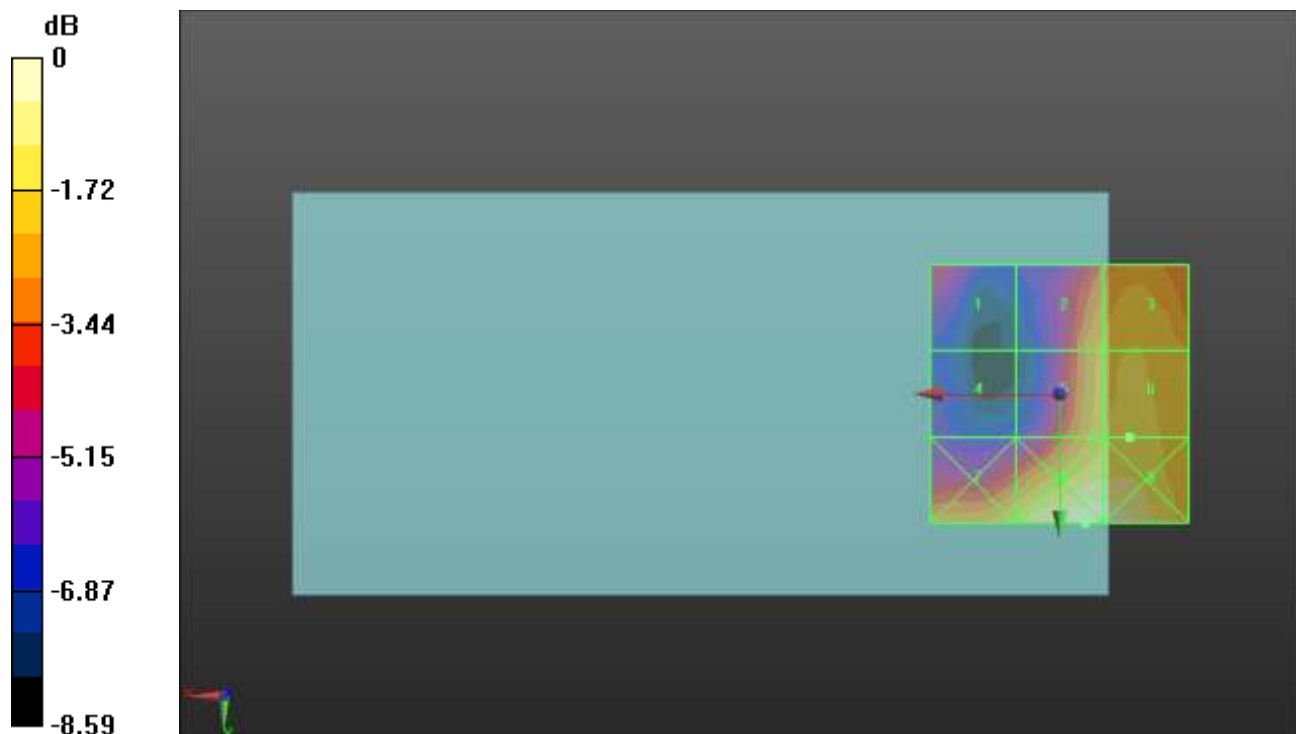
Applied MIF = -1.44 dB

RF audio interference level = 19.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.88 dBV/m	Grid 2 M4 19.14 dBV/m	Grid 3 M4 19.57 dBV/m
Grid 4 M4 15.76 dBV/m	Grid 5 M4 19.5 dBV/m	Grid 6 M4 19.85 dBV/m
Grid 7 M4 19.88 dBV/m	Grid 8 M4 21.25 dBV/m	Grid 9 M4 21.15 dBV/m



0 dB = 11.55 V/m = 21.25 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.767 V/m; Power Drift = 0.19 dB

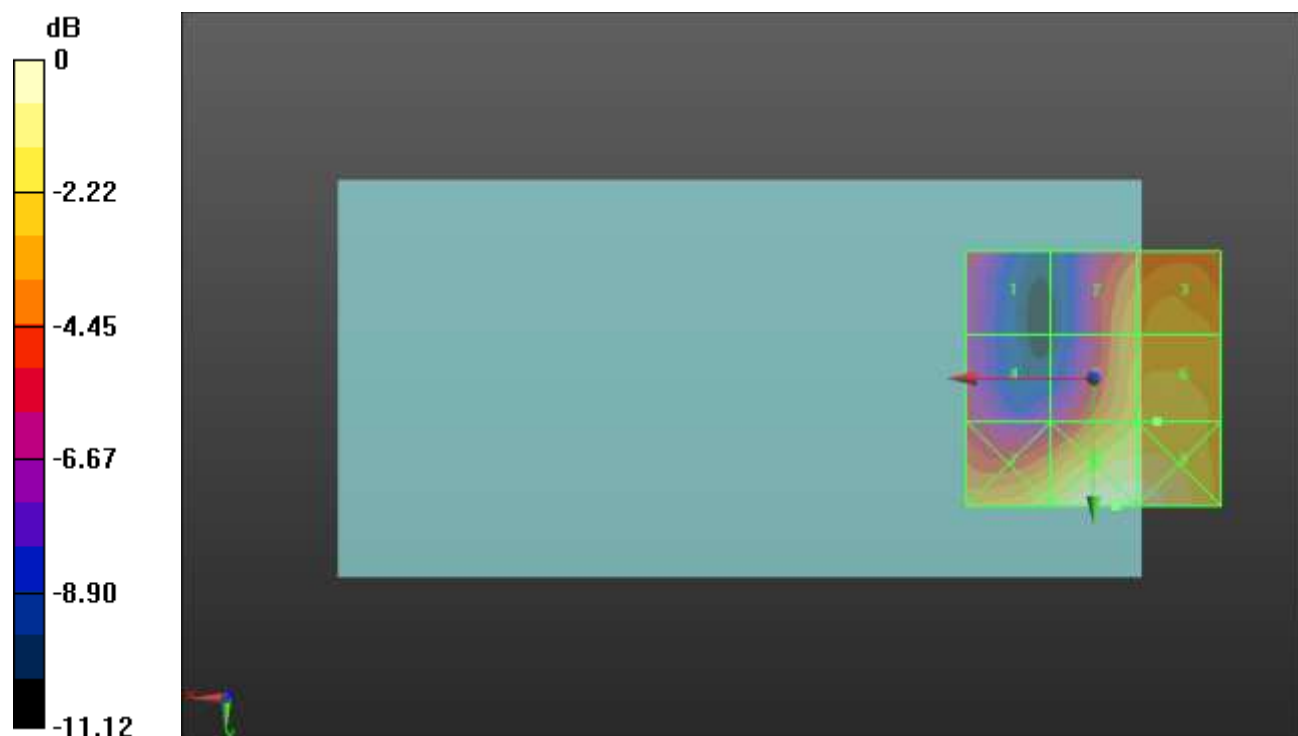
Applied MIF = -1.44 dB

RF audio interference level = 19.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.65 dBV/m	Grid 2 M4 17.99 dBV/m	Grid 3 M4 18.6 dBV/m
Grid 4 M4 15.48 dBV/m	Grid 5 M4 18.88 dBV/m	Grid 6 M4 19.18 dBV/m
Grid 7 M4 19.79 dBV/m	Grid 8 M4 21.06 dBV/m	Grid 9 M4 20.93 dBV/m



0 dB = 11.30 V/m = 21.06 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.189 V/m; Power Drift = 0.09 dB

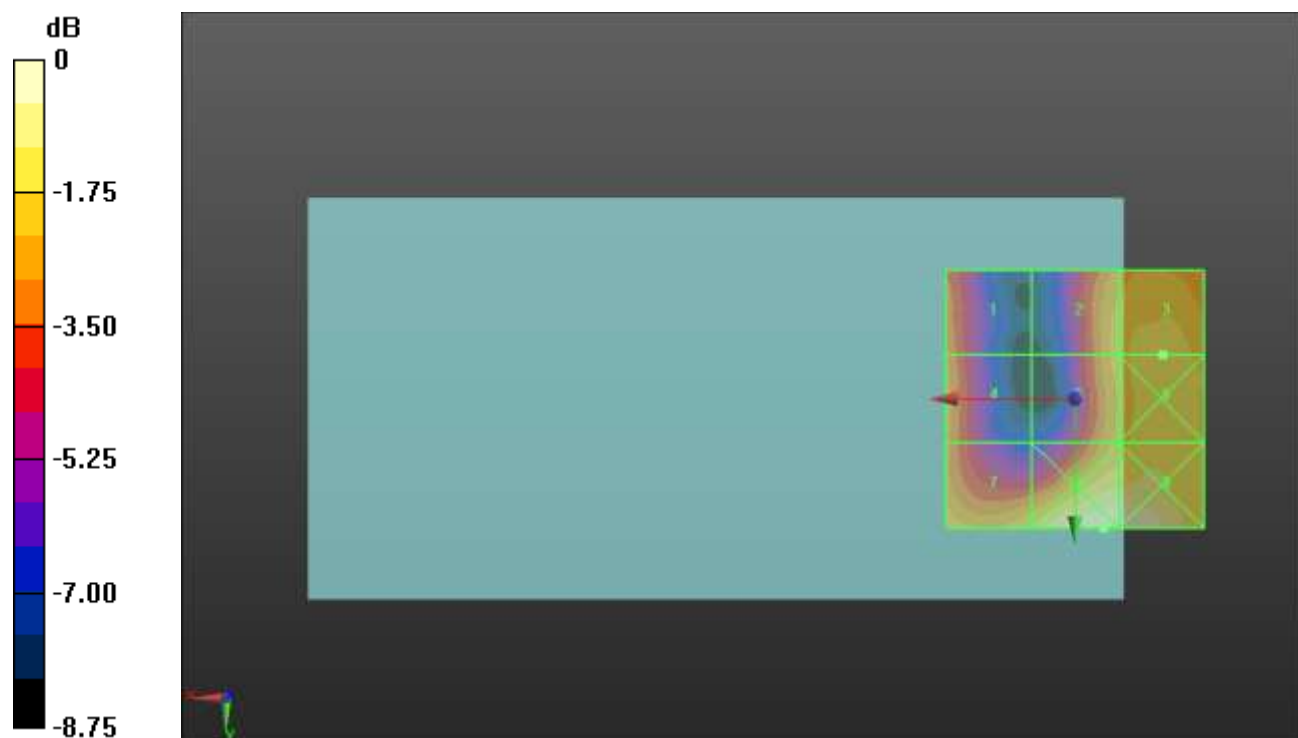
Applied MIF = -1.44 dB

RF audio interference level = 19.15 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.83 dBV/m	Grid 2 M4 18.58 dBV/m	Grid 3 M4 19.15 dBV/m
Grid 4 M4 18.06 dBV/m	Grid 5 M4 18.59 dBV/m	Grid 6 M4 19.37 dBV/m
Grid 7 M4 19.09 dBV/m	Grid 8 M4 20.63 dBV/m	Grid 9 M4 20.54 dBV/m



0 dB = 10.76 V/m = 20.64 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.459 V/m; Power Drift = 0.09 dB

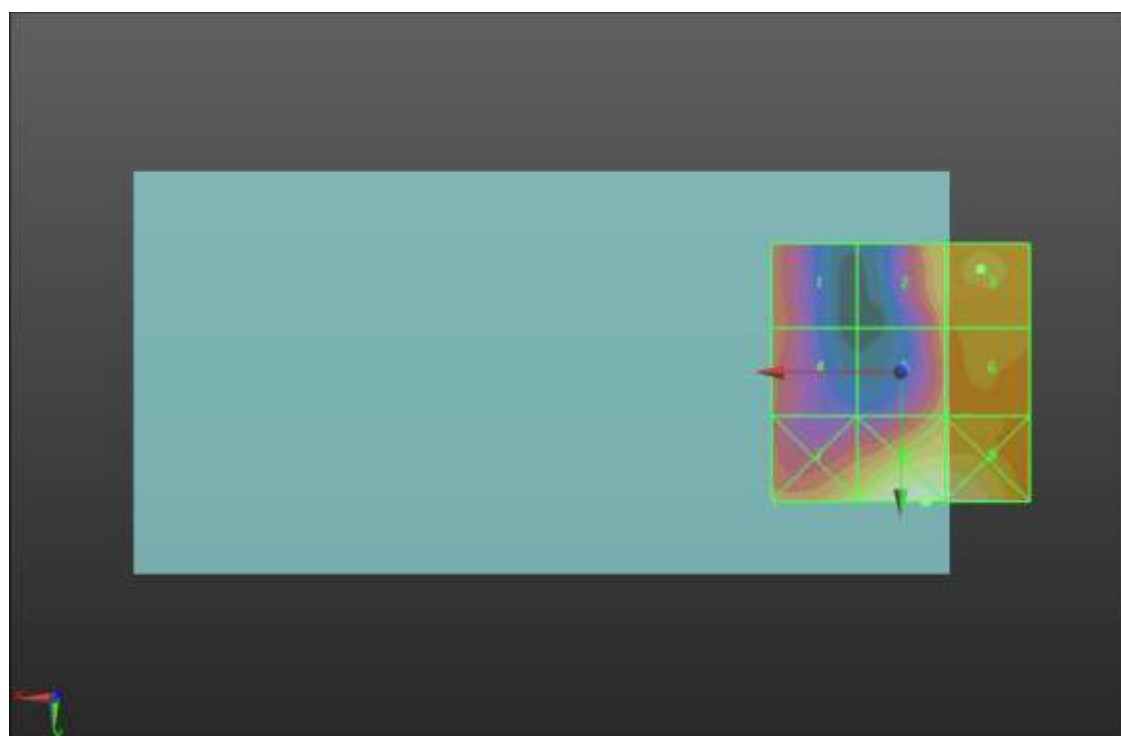
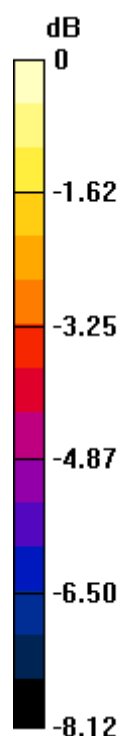
Applied MIF = -1.44 dB

RF audio interference level = 18.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.74 dBV/m	Grid 2 M4 17.89 dBV/m	Grid 3 M4 18.68 dBV/m
Grid 4 M4 16.65 dBV/m	Grid 5 M4 17.56 dBV/m	Grid 6 M4 18.24 dBV/m
Grid 7 M4 18.71 dBV/m	Grid 8 M4 20.05 dBV/m	Grid 9 M4 19.83 dBV/m



0 dB = 10.06 V/m = 20.05 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.065 V/m; Power Drift = -0.06 dB

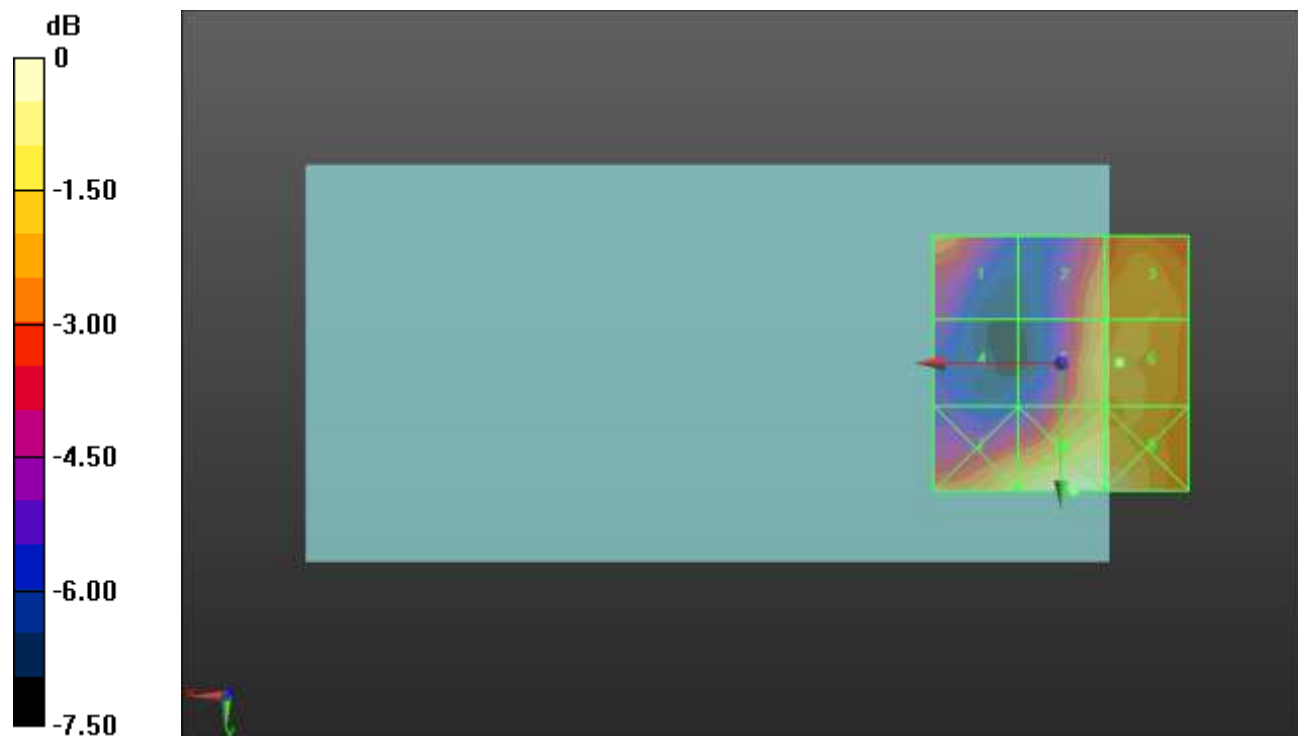
Applied MIF = -1.44 dB

RF audio interference level = 18.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.45 dBV/m	Grid 2 M4 17.65 dBV/m	Grid 3 M4 18.09 dBV/m
Grid 4 M4 15.09 dBV/m	Grid 5 M4 17.99 dBV/m	Grid 6 M4 18.27 dBV/m
Grid 7 M4 18.59 dBV/m	Grid 8 M4 19.56 dBV/m	Grid 9 M4 19.37 dBV/m



0 dB = 9.511 V/m = 19.56 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.425 V/m; Power Drift = -0.18 dB

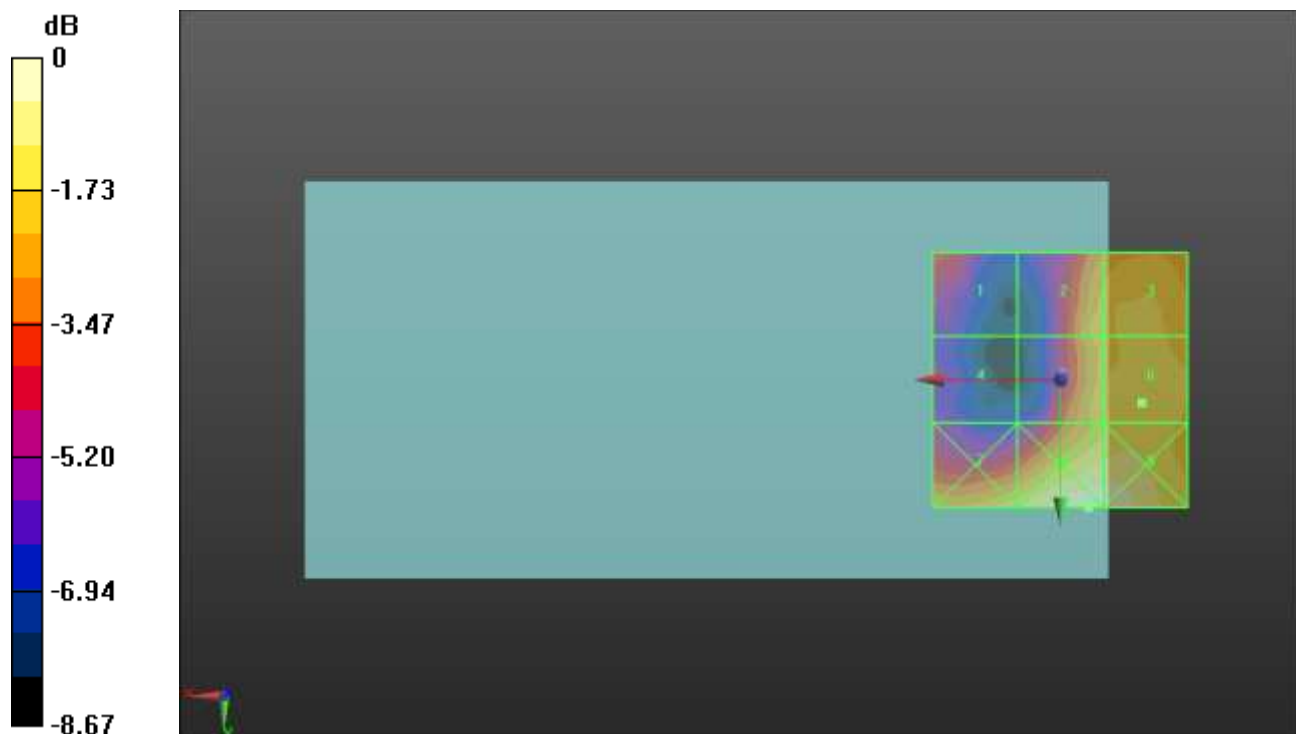
Applied MIF = -1.44 dB

RF audio interference level = 17.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.35 dBV/m	Grid 2 M4 17.09 dBV/m	Grid 3 M4 17.6 dBV/m
Grid 4 M4 13.9 dBV/m	Grid 5 M4 17.25 dBV/m	Grid 6 M4 17.78 dBV/m
Grid 7 M4 17.87 dBV/m	Grid 8 M4 19.07 dBV/m	Grid 9 M4 18.98 dBV/m



0 dB = 8.988 V/m = 19.07 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.763 V/m; Power Drift = 0.10 dB

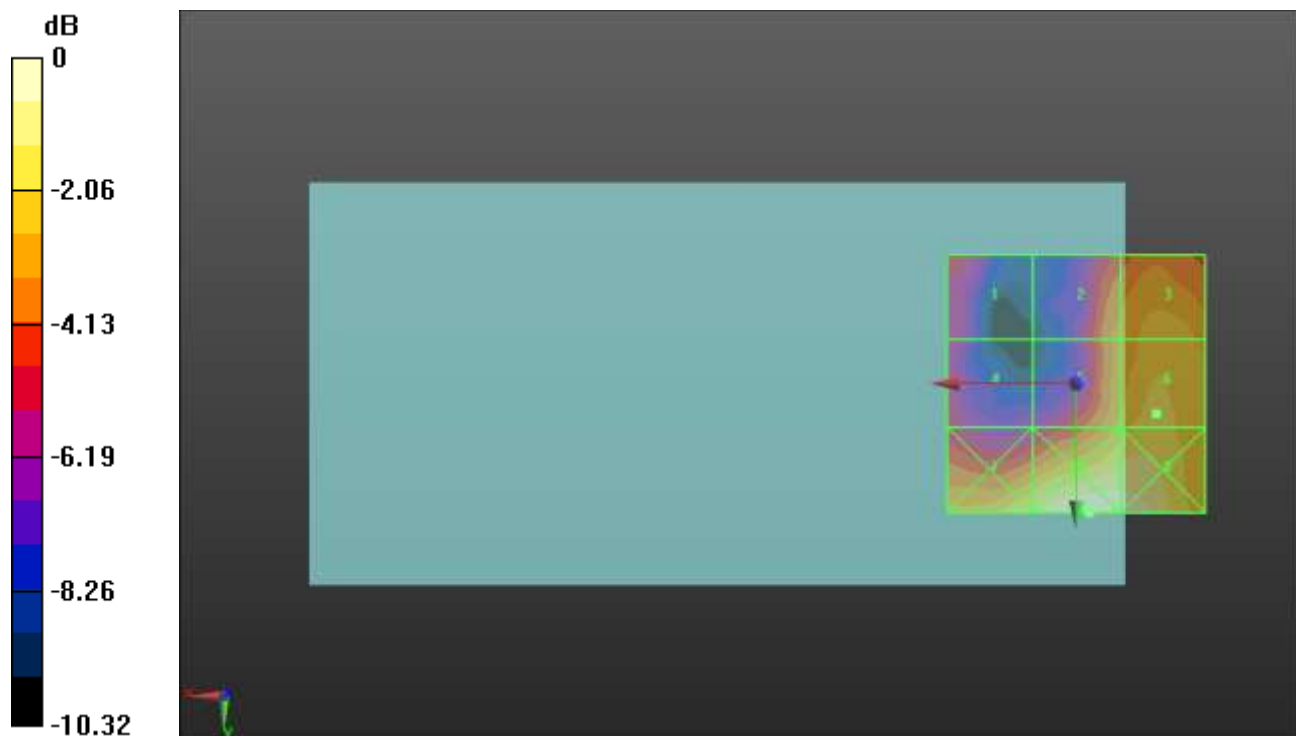
Applied MIF = -1.44 dB

RF audio interference level = 16.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.91 dBV/m	Grid 2 M4 15.49 dBV/m	Grid 3 M4 16.48 dBV/m
Grid 4 M4 13.7 dBV/m	Grid 5 M4 16.36 dBV/m	Grid 6 M4 16.94 dBV/m
Grid 7 M4 17.86 dBV/m	Grid 8 M4 18.78 dBV/m	Grid 9 M4 18.68 dBV/m



0 dB = 8.688 V/m = 18.78 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.568 V/m; Power Drift = -0.16 dB

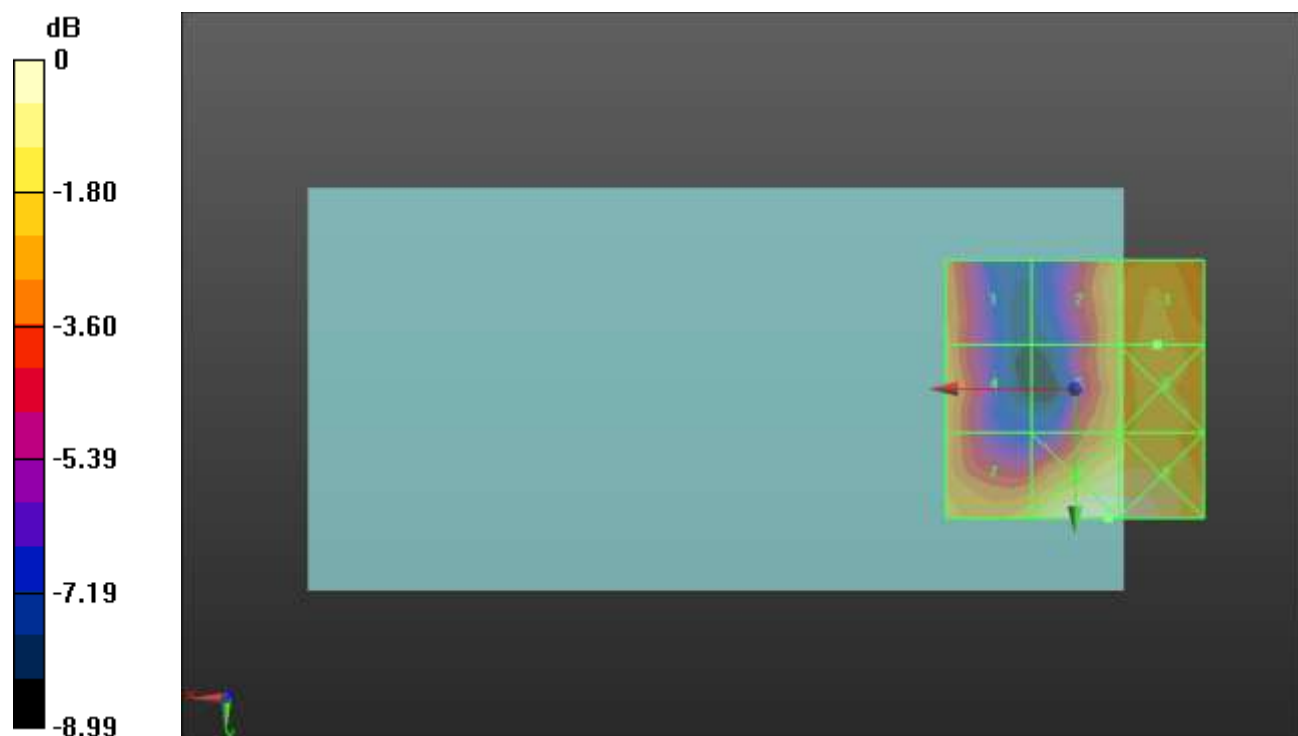
Applied MIF = -1.44 dB

RF audio interference level = 16.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.91 dBV/m	Grid 2 M4 16.11 dBV/m	Grid 3 M4 16.99 dBV/m
Grid 4 M4 16.04 dBV/m	Grid 5 M4 16.35 dBV/m	Grid 6 M4 17.28 dBV/m
Grid 7 M4 16.74 dBV/m	Grid 8 M4 18.5 dBV/m	Grid 9 M4 18.48 dBV/m



0 dB = 8.412 V/m = 18.50 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.246 V/m; Power Drift = -0.05 dB

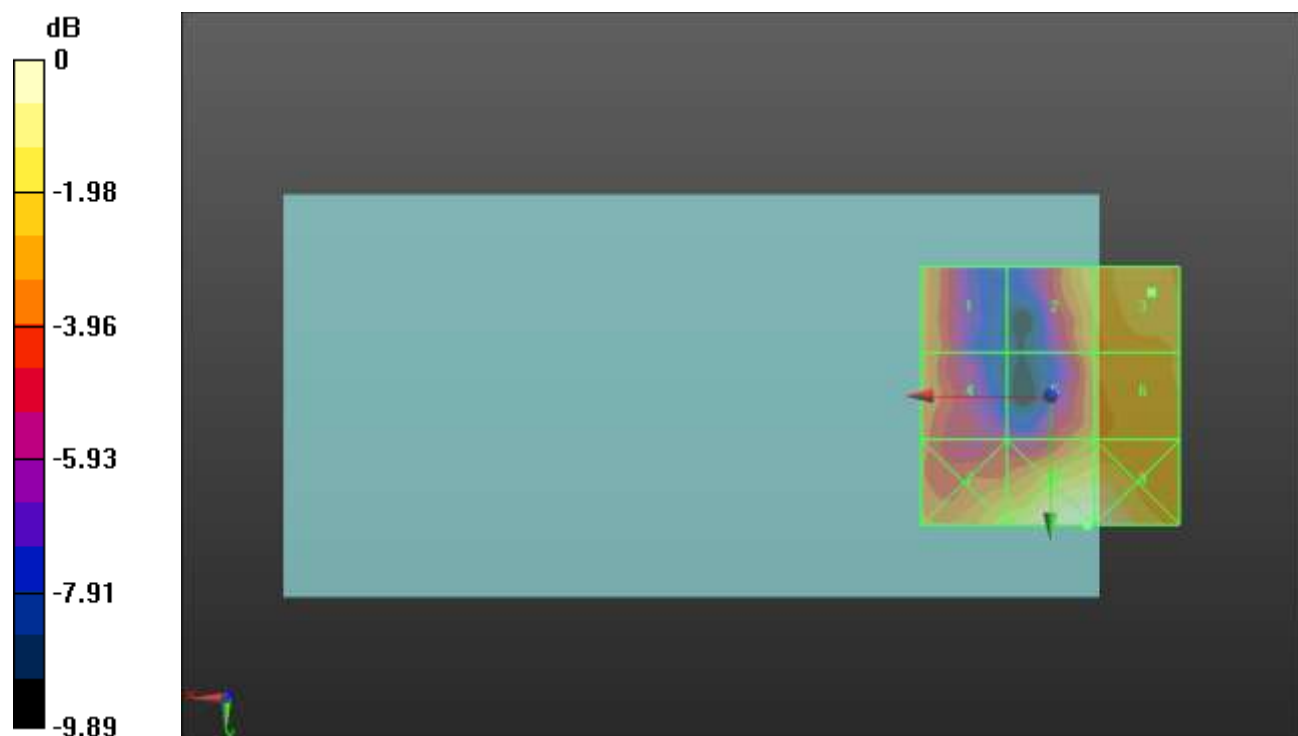
Applied MIF = -1.44 dB

RF audio interference level = 16.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.89 dBV/m	Grid 2 M4 15.5 dBV/m	Grid 3 M4 16.39 dBV/m
Grid 4 M4 14.99 dBV/m	Grid 5 M4 14.91 dBV/m	Grid 6 M4 15.95 dBV/m
Grid 7 M4 16.4 dBV/m	Grid 8 M4 17.83 dBV/m	Grid 9 M4 17.79 dBV/m



0 dB = 7.788 V/m = 17.83 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.90 V/m; Power Drift = 0.01 dB

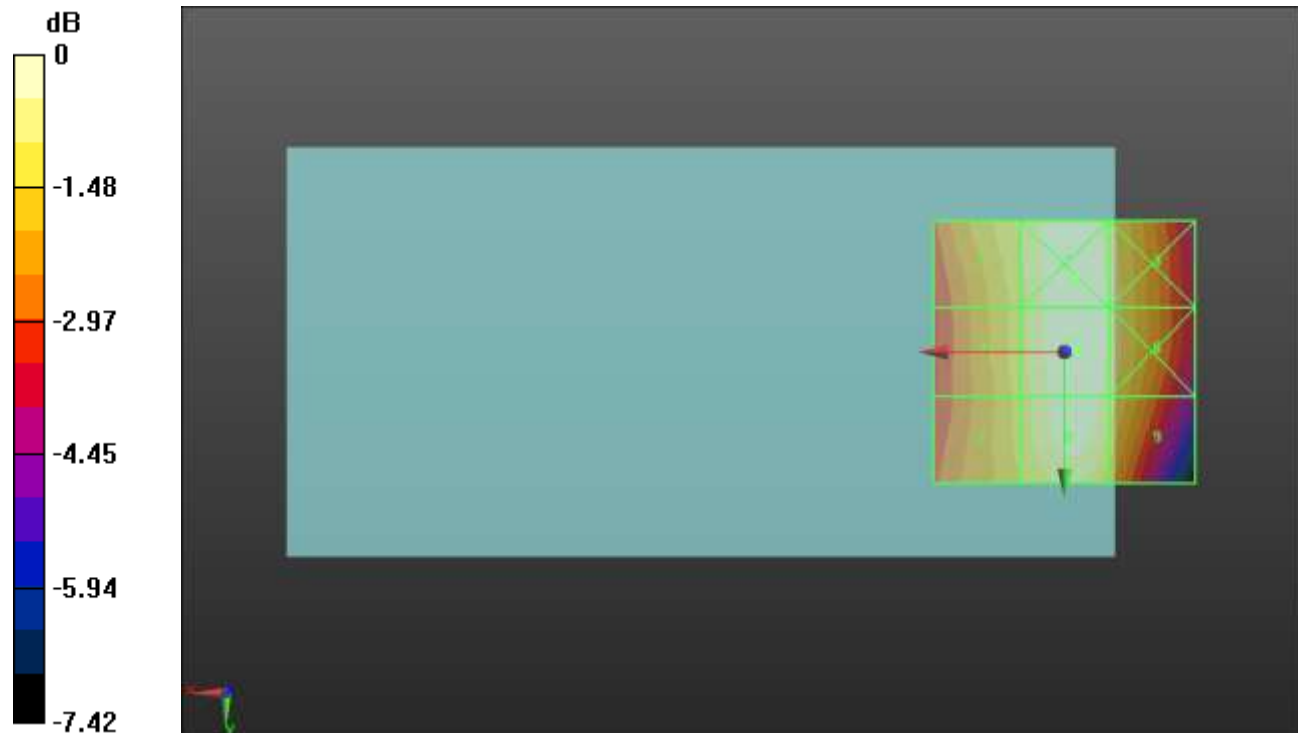
Applied MIF = 3.63 dB

RF audio interference level = 30.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.4 dBV/m	Grid 2 M4 30.3 dBV/m	Grid 3 M4 29.77 dBV/m
Grid 4 M4 29.16 dBV/m	Grid 5 M4 30.3 dBV/m	Grid 6 M4 29.77 dBV/m
Grid 7 M4 29.05 dBV/m	Grid 8 M4 30.2 dBV/m	Grid 9 M4 29.54 dBV/m



0 dB = 32.74 V/m = 30.30 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 43.93 V/m; Power Drift = -0.02 dB

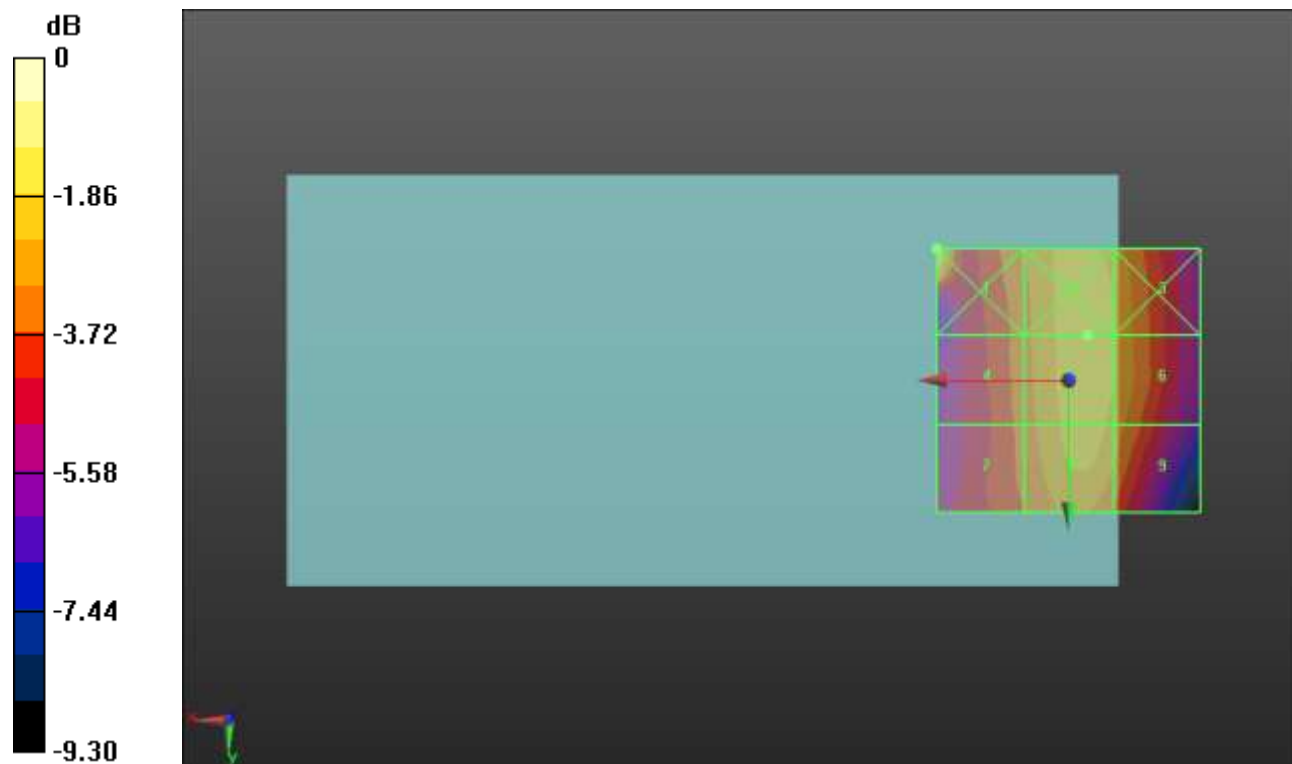
Applied MIF = 3.63 dB

RF audio interference level = 30.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.29 dBV/m	Grid 2 M4 30.26 dBV/m	Grid 3 M4 29.81 dBV/m
Grid 4 M4 28.97 dBV/m	Grid 5 M4 30.25 dBV/m	Grid 6 M4 29.83 dBV/m
Grid 7 M4 28.85 dBV/m	Grid 8 M4 30.09 dBV/m	Grid 9 M4 29.58 dBV/m



0 dB = 41.14 V/m = 32.29 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.86 V/m; Power Drift = -0.05 dB

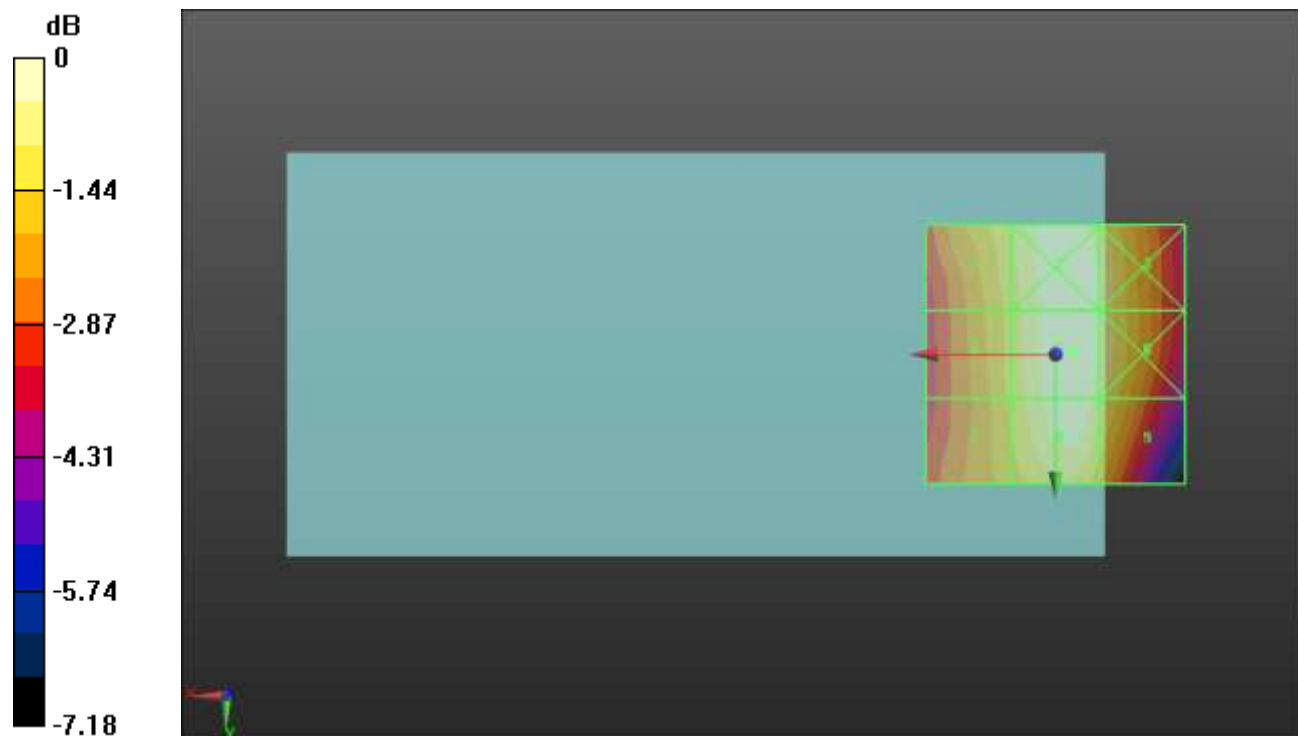
Applied MIF = 3.63 dB

RF audio interference level = 30.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.31 dBV/m	Grid 2 M4 30.27 dBV/m	Grid 3 M4 29.78 dBV/m
Grid 4 M4 29.09 dBV/m	Grid 5 M4 30.28 dBV/m	Grid 6 M4 29.78 dBV/m
Grid 7 M4 28.98 dBV/m	Grid 8 M4 30.15 dBV/m	Grid 9 M4 29.57 dBV/m



0 dB = 32.67 V/m = 30.28 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.65 V/m; Power Drift = -0.11 dB

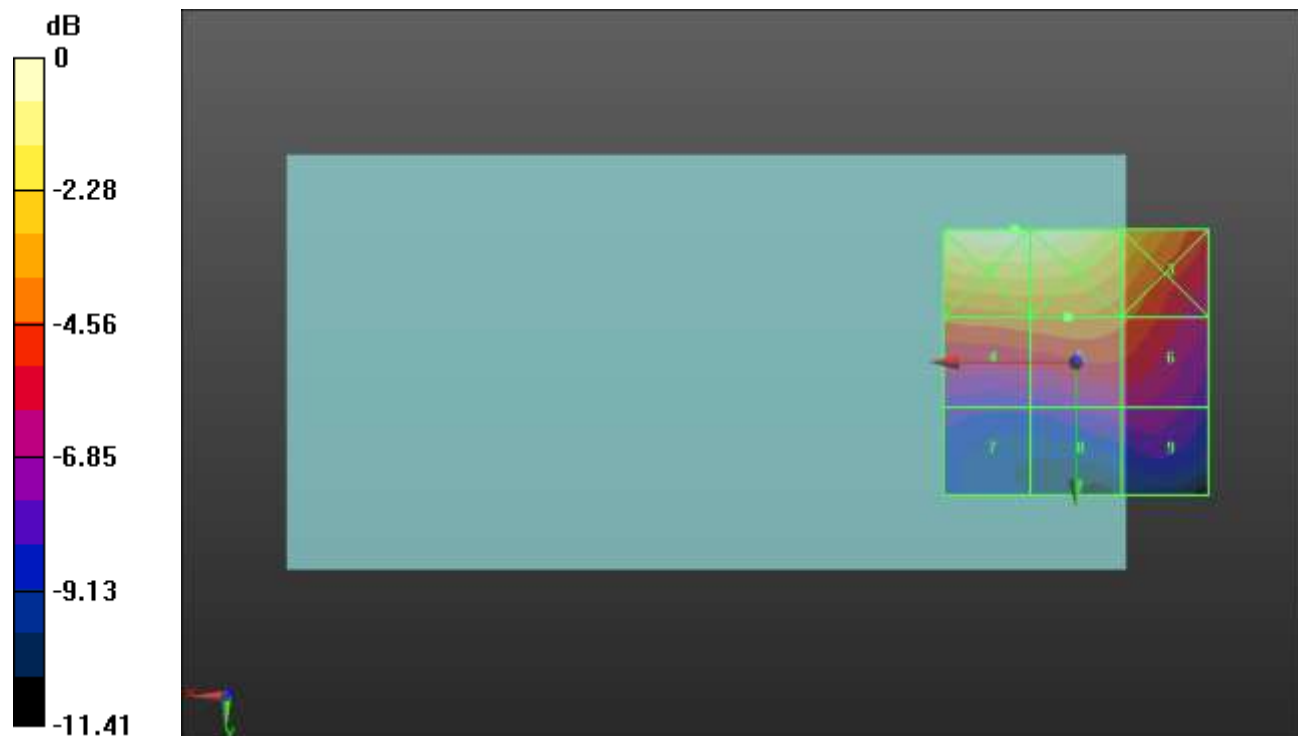
Applied MIF = 3.63 dB

RF audio interference level = 25.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.82 dBV/m	Grid 2 M4 29.76 dBV/m	Grid 3 M4 27.79 dBV/m
Grid 4 M4 25.87 dBV/m	Grid 5 M4 25.97 dBV/m	Grid 6 M4 25.51 dBV/m
Grid 7 M4 22.01 dBV/m	Grid 8 M4 22.98 dBV/m	Grid 9 M4 23.03 dBV/m



0 dB = 30.96 V/m = 29.82 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.16 V/m; Power Drift = -0.11 dB

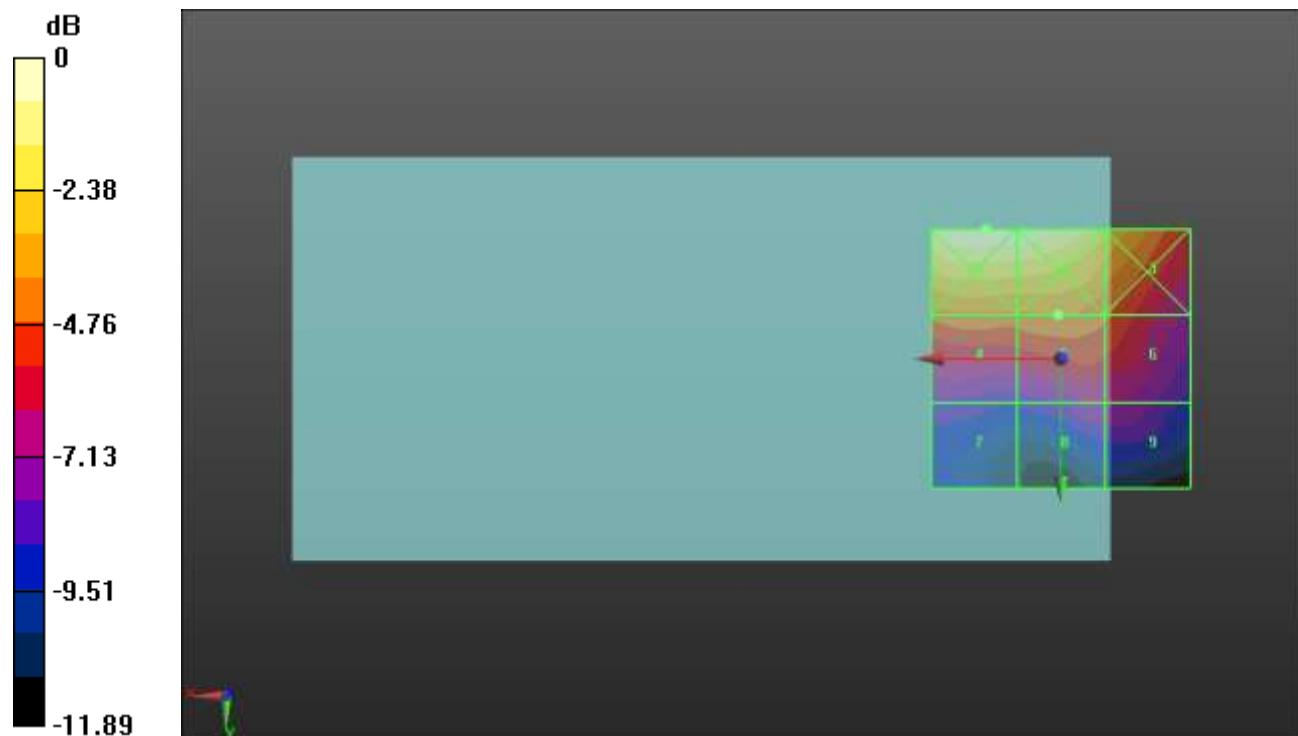
Applied MIF = 3.63 dB

RF audio interference level = 26.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.96 dBV/m	Grid 2 M4 29.81 dBV/m	Grid 3 M4 27.67 dBV/m
Grid 4 M4 25.94 dBV/m	Grid 5 M4 26.1 dBV/m	Grid 6 M4 25.39 dBV/m
Grid 7 M4 21.92 dBV/m	Grid 8 M4 23 dBV/m	Grid 9 M4 22.97 dBV/m



0 dB = 31.46 V/m = 29.96 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.11 V/m; Power Drift = -0.05 dB

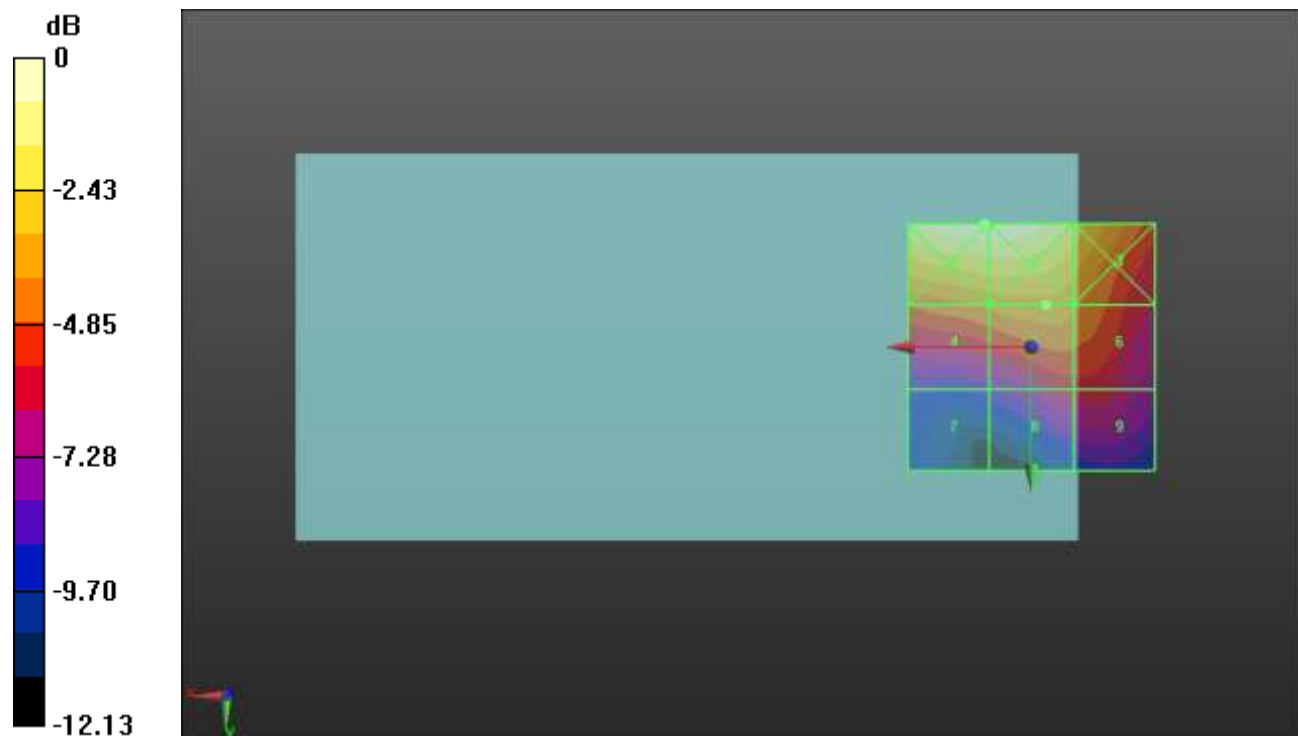
Applied MIF = 3.63 dB

RF audio interference level = 26.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 30.21 dBV/m	Grid 2 M3 30.21 dBV/m	Grid 3 M4 28.4 dBV/m
Grid 4 M4 26.39 dBV/m	Grid 5 M4 26.75 dBV/m	Grid 6 M4 26.35 dBV/m
Grid 7 M4 21.9 dBV/m	Grid 8 M4 24.17 dBV/m	Grid 9 M4 24.23 dBV/m



0 dB = 32.41 V/m = 30.21 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.40 V/m; Power Drift = 0.04 dB

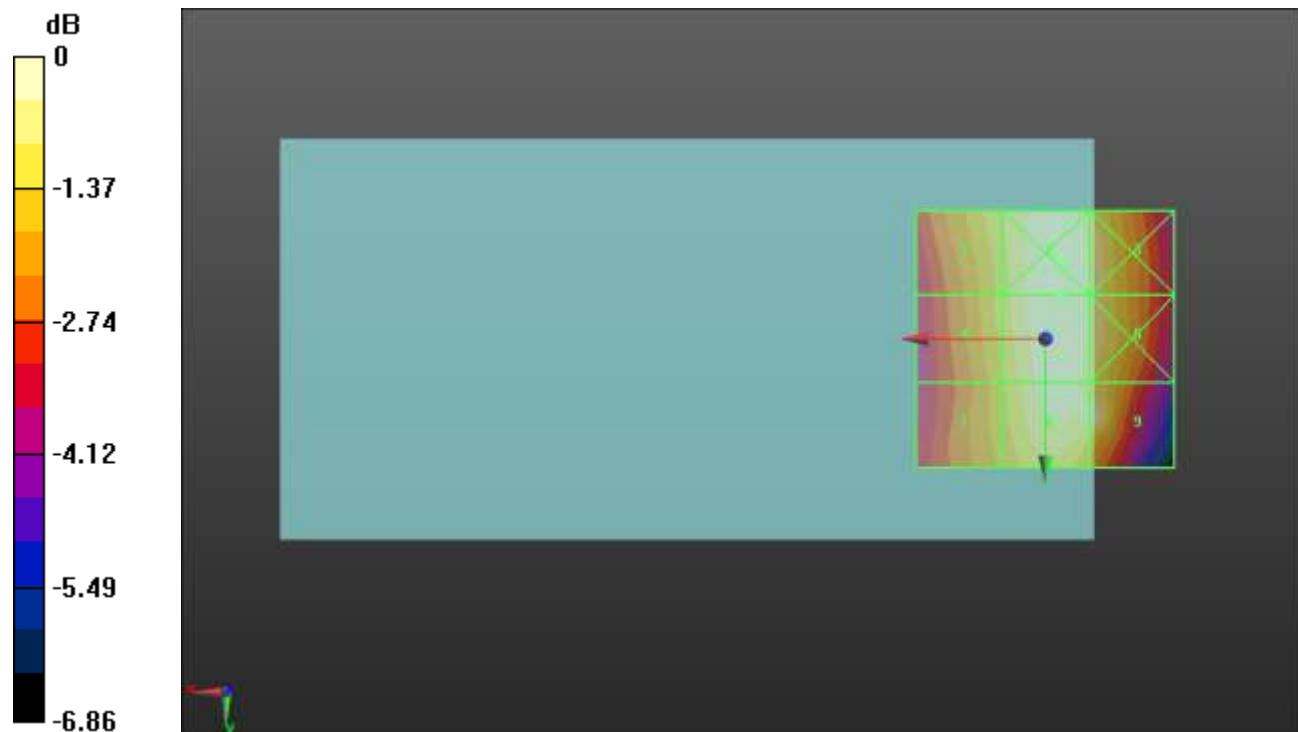
Applied MIF = 3.26 dB

RF audio interference level = 29.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.4 dBV/m	Grid 2 M4 29.35 dBV/m	Grid 3 M4 28.86 dBV/m
Grid 4 M4 28.2 dBV/m	Grid 5 M4 29.27 dBV/m	Grid 6 M4 28.85 dBV/m
Grid 7 M4 27.9 dBV/m	Grid 8 M4 29.18 dBV/m	Grid 9 M4 29.19 dBV/m



0 dB = 29.33 V/m = 29.35 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 29.04 V/m; Power Drift = -0.05 dB

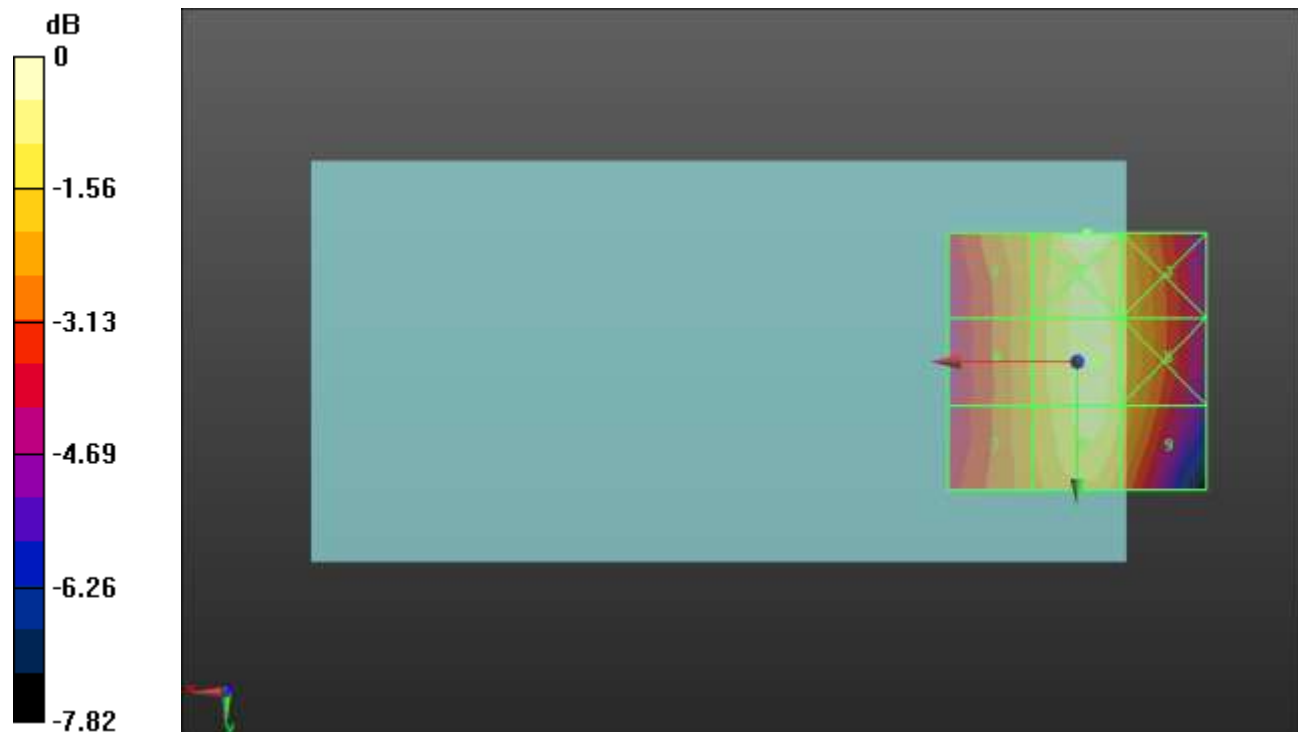
Applied MIF = 3.26 dB

RF audio interference level = 29.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.15 dBV/m	Grid 2 M4 30.1 dBV/m	Grid 3 M4 28.7 dBV/m
Grid 4 M4 28.19 dBV/m	Grid 5 M4 29.33 dBV/m	Grid 6 M4 28.8 dBV/m
Grid 7 M4 28.08 dBV/m	Grid 8 M4 29.25 dBV/m	Grid 9 M4 28.59 dBV/m



0 dB = 31.98 V/m = 30.10 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.54 V/m; Power Drift = 0.06 dB

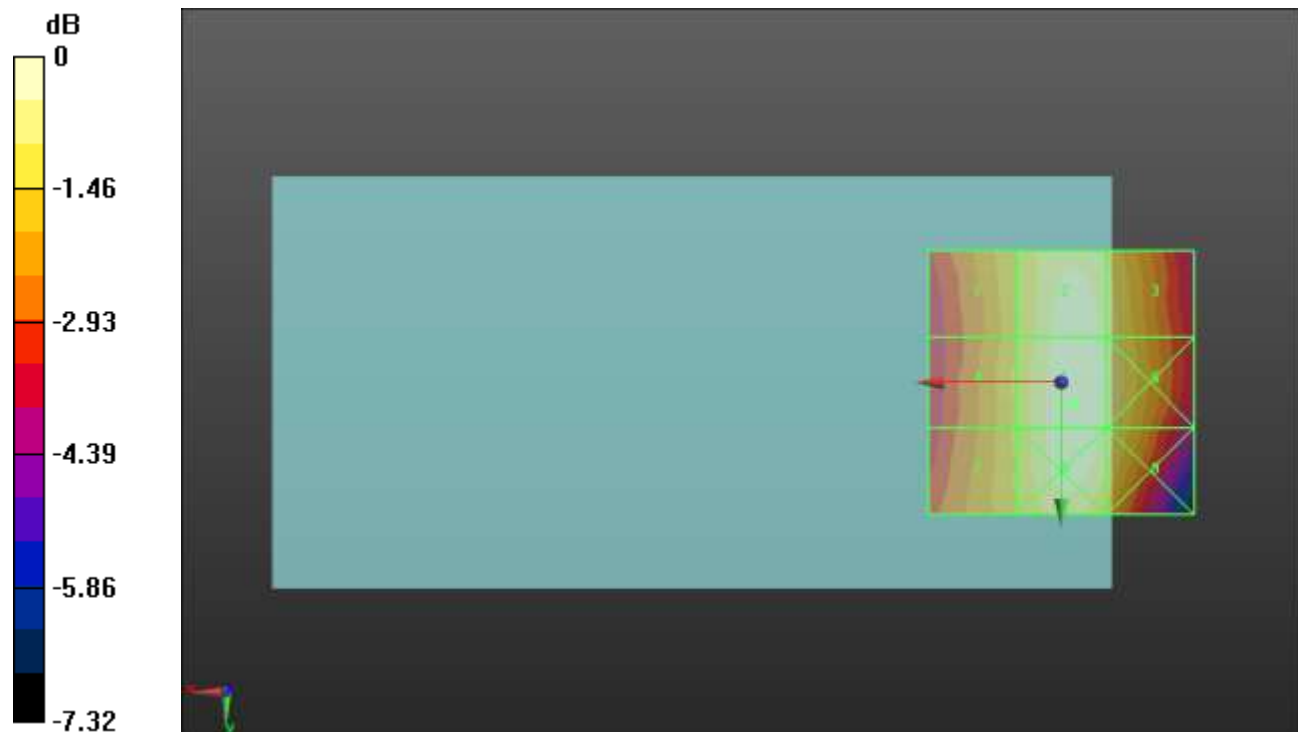
Applied MIF = 3.26 dB

RF audio interference level = 29.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.76 dBV/m	Grid 2 M4 29.02 dBV/m	Grid 3 M4 28.58 dBV/m
Grid 4 M4 27.88 dBV/m	Grid 5 M4 29.21 dBV/m	Grid 6 M4 28.72 dBV/m
Grid 7 M4 27.85 dBV/m	Grid 8 M4 29.17 dBV/m	Grid 9 M4 28.56 dBV/m



0 dB = 28.86 V/m = 29.21 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.54 V/m; Power Drift = -0.02 dB

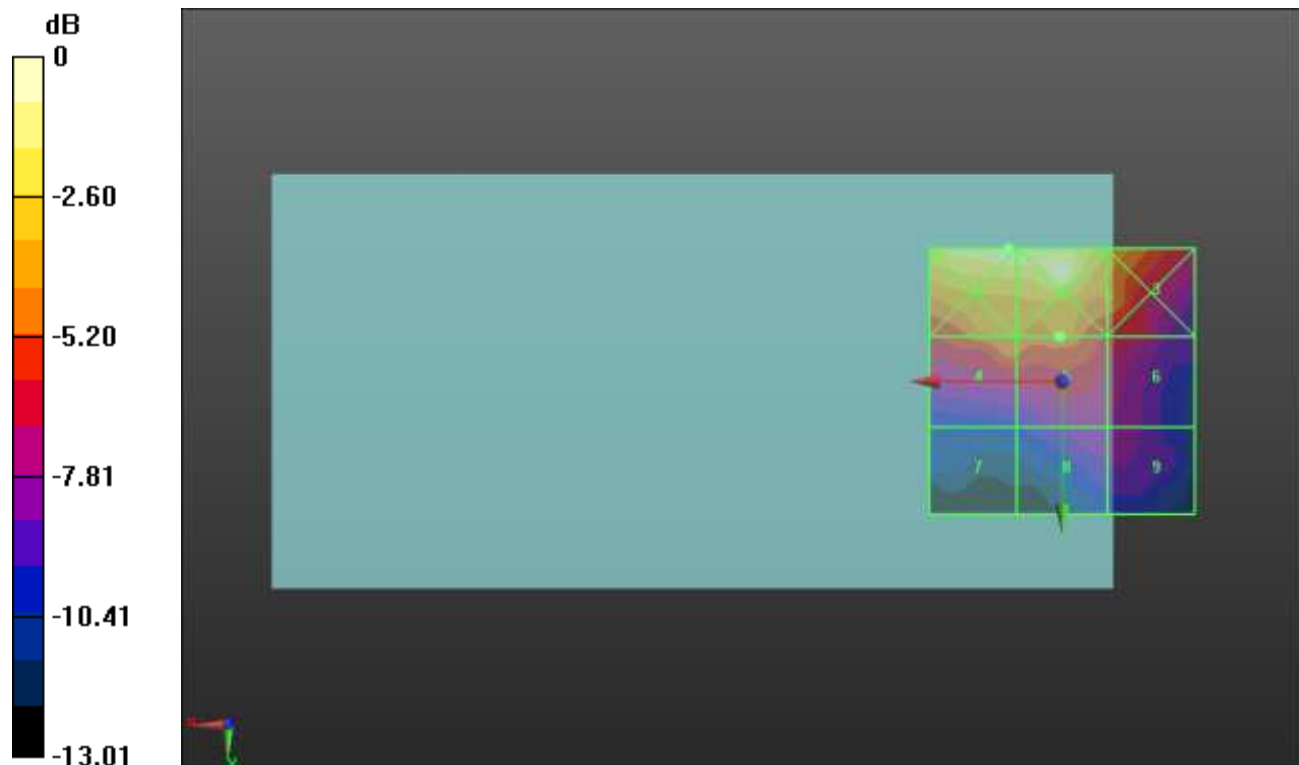
Applied MIF = 3.26 dB

RF audio interference level = 29.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 33.25 dBV/m	Grid 2 M3 33.07 dBV/m	Grid 3 M4 29.99 dBV/m
Grid 4 M4 29.01 dBV/m	Grid 5 M4 29.08 dBV/m	Grid 6 M4 26.95 dBV/m
Grid 7 M4 23.57 dBV/m	Grid 8 M4 25.42 dBV/m	Grid 9 M4 25.37 dBV/m



0 dB = 45.97 V/m = 33.25 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.72 V/m; Power Drift = -0.09 dB

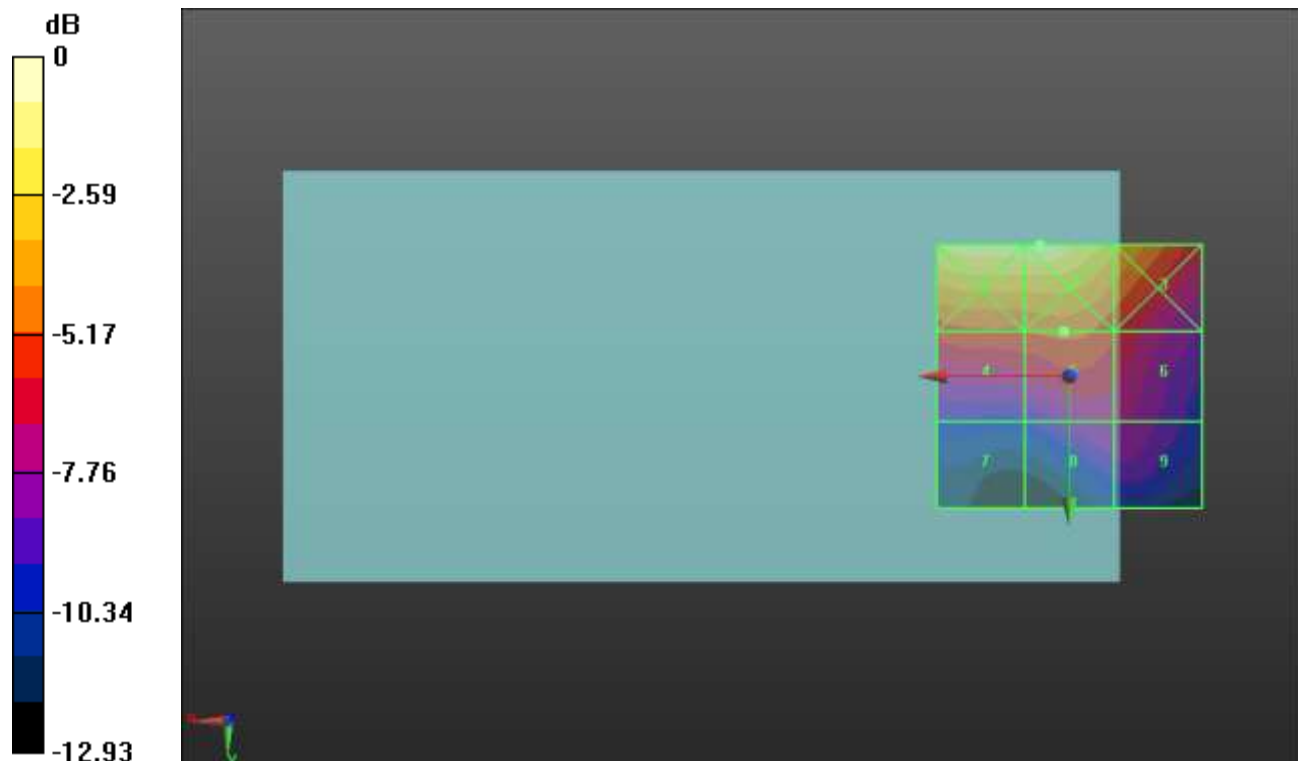
Applied MIF = 3.26 dB

RF audio interference level = 27.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.98 dBV/m	Grid 2 M3 32.78 dBV/m	Grid 3 M4 29.73 dBV/m
Grid 4 M4 27.58 dBV/m	Grid 5 M4 27.92 dBV/m	Grid 6 M4 26.9 dBV/m
Grid 7 M4 23.31 dBV/m	Grid 8 M4 25.17 dBV/m	Grid 9 M4 25.16 dBV/m



0 dB = 43.55 V/m = 32.78 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.86 V/m; Power Drift = 0.02 dB

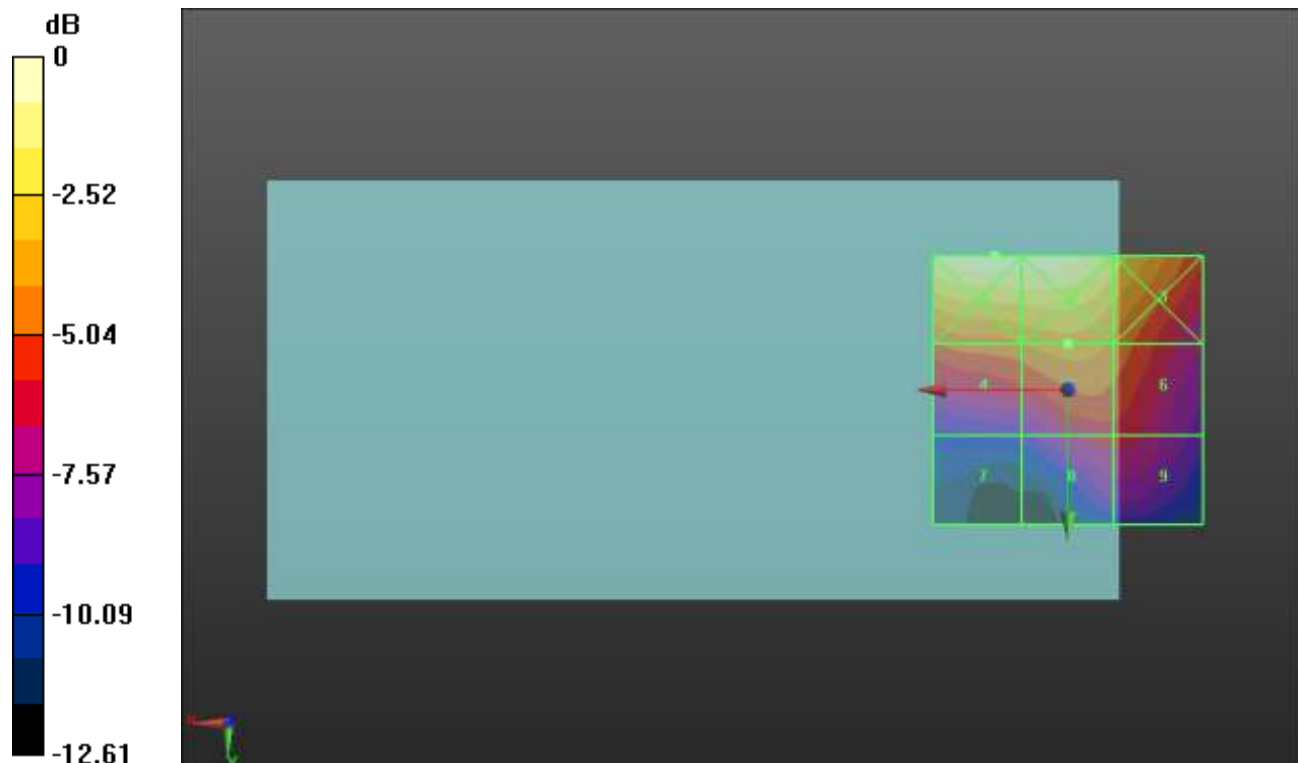
Applied MIF = 3.26 dB

RF audio interference level = 27.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.24 dBV/m	Grid 2 M3 31.19 dBV/m	Grid 3 M4 29.35 dBV/m
Grid 4 M4 26.98 dBV/m	Grid 5 M4 27.54 dBV/m	Grid 6 M4 26.84 dBV/m
Grid 7 M4 22.51 dBV/m	Grid 8 M4 25 dBV/m	Grid 9 M4 24.99 dBV/m



0 dB = 36.47 V/m = 31.24 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.06 V/m; Power Drift = 0.00 dB

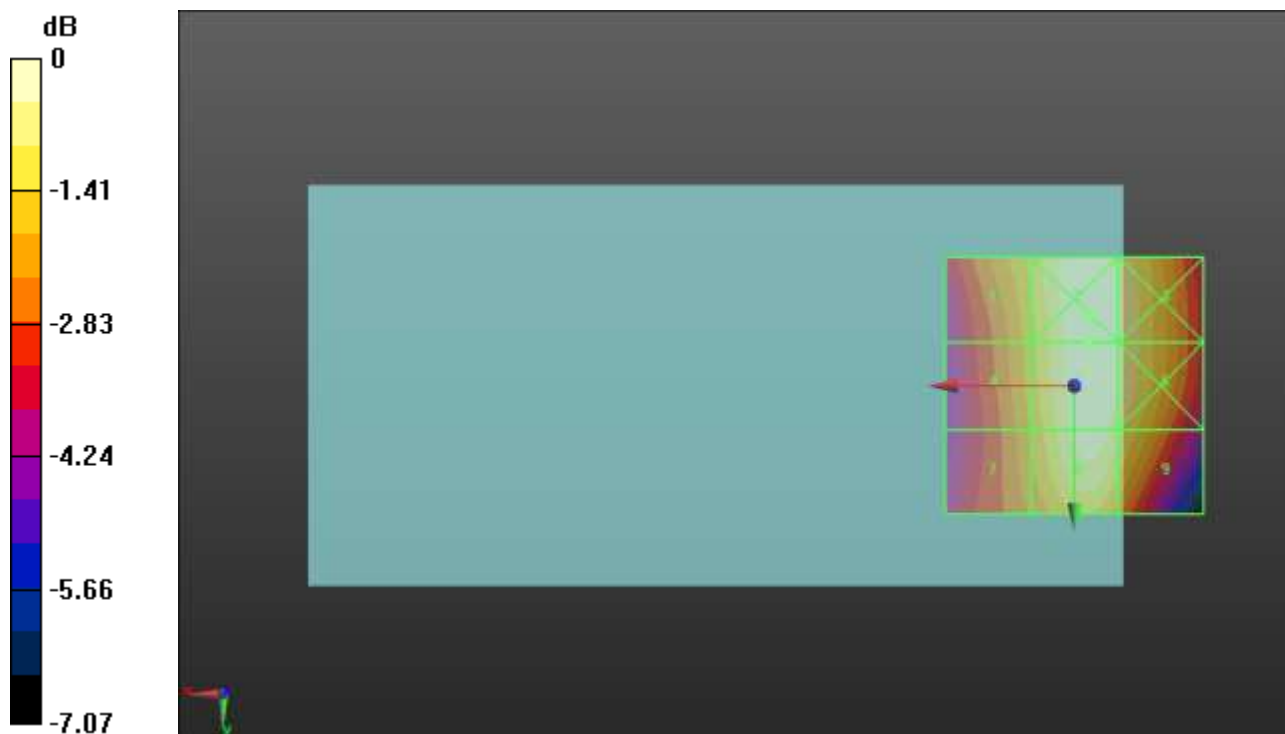
Applied MIF = 3.26 dB

RF audio interference level = 37.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 36.64 dBV/m	Grid 2 M4 37.92 dBV/m	Grid 3 M4 37.51 dBV/m
Grid 4 M4 36.32 dBV/m	Grid 5 M4 37.9 dBV/m	Grid 6 M4 37.5 dBV/m
Grid 7 M4 36.07 dBV/m	Grid 8 M4 37.69 dBV/m	Grid 9 M4 37.13 dBV/m



0 dB = 78.70 V/m = 37.92 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 84.61 V/m; Power Drift = 0.02 dB

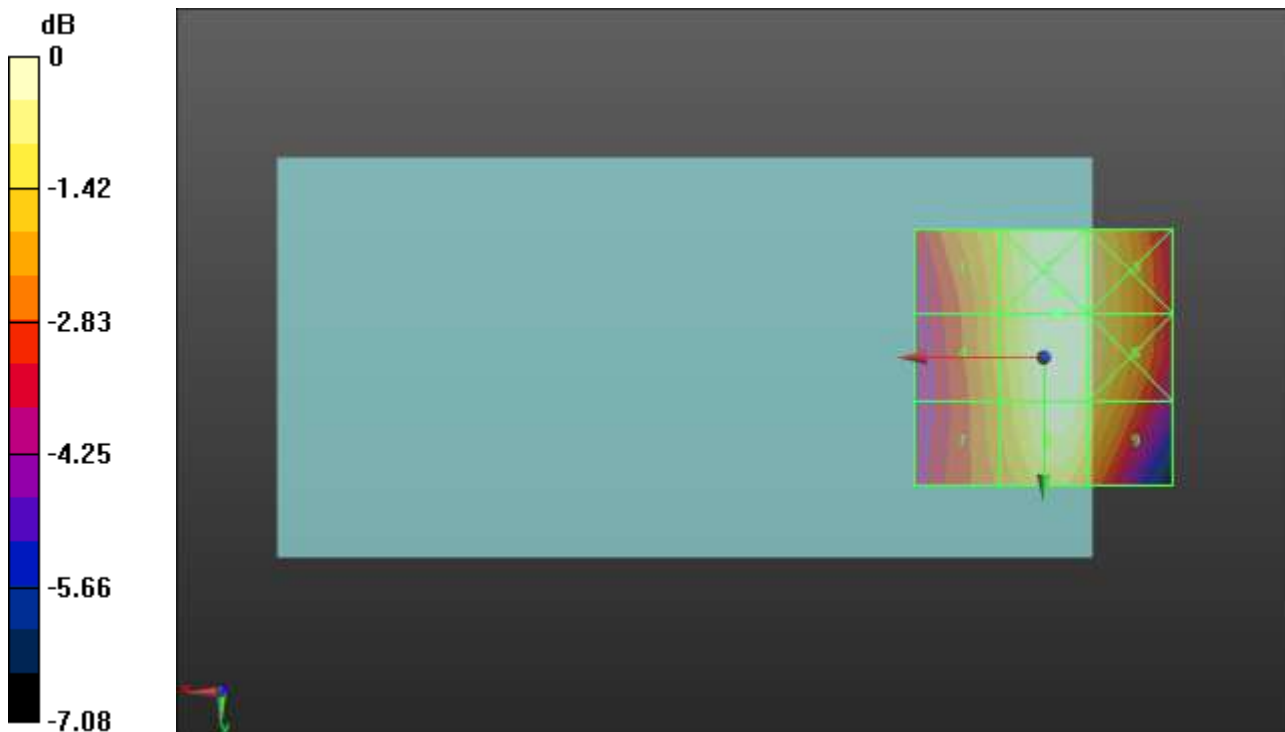
Applied MIF = 3.26 dB

RF audio interference level = 38.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.05 dBV/m	Grid 2 M4 38.28 dBV/m	Grid 3 M4 37.82 dBV/m
Grid 4 M4 36.71 dBV/m	Grid 5 M4 38.27 dBV/m	Grid 6 M4 37.82 dBV/m
Grid 7 M4 36.46 dBV/m	Grid 8 M4 38.08 dBV/m	Grid 9 M4 37.48 dBV/m



0 dB = 82.03 V/m = 38.28 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 87.41 V/m; Power Drift = 0.00 dB

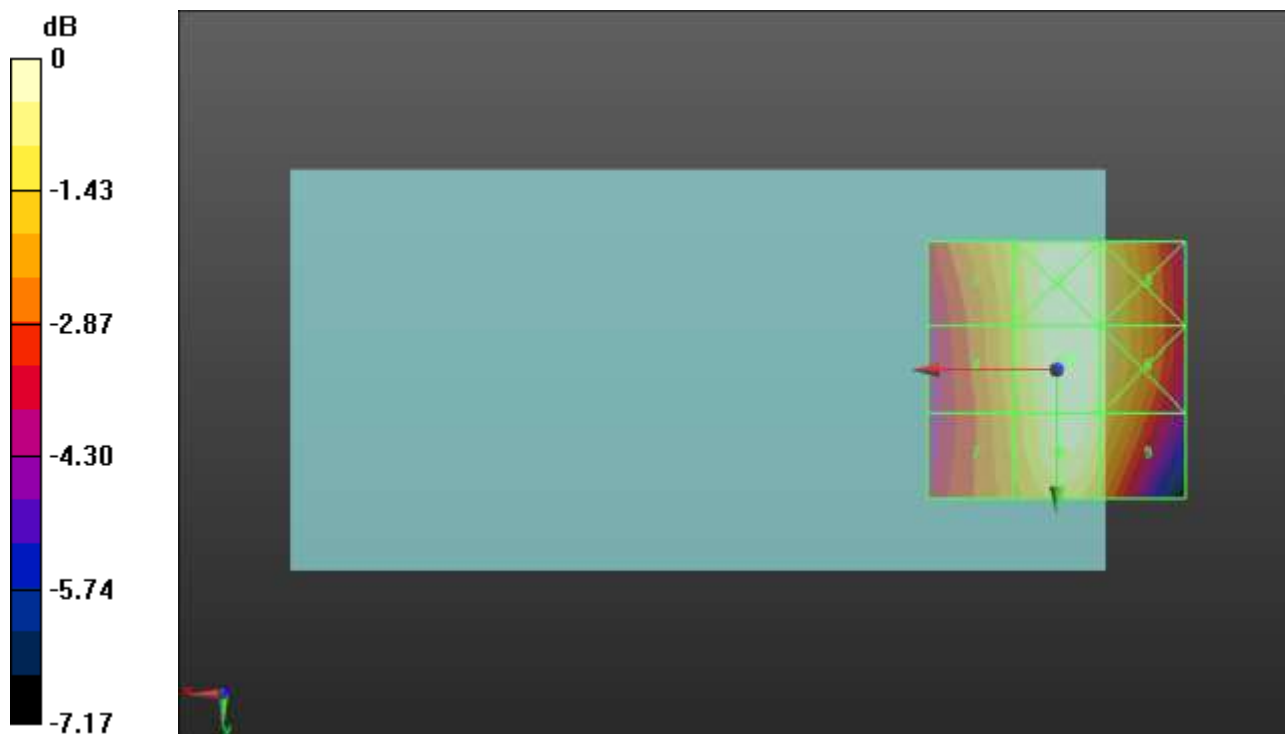
Applied MIF = 3.26 dB

RF audio interference level = 38.48 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.28 dBV/m	Grid 2 M4 38.47 dBV/m	Grid 3 M4 37.93 dBV/m
Grid 4 M4 37 dBV/m	Grid 5 M4 38.48 dBV/m	Grid 6 M4 37.94 dBV/m
Grid 7 M4 36.78 dBV/m	Grid 8 M4 38.32 dBV/m	Grid 9 M4 37.63 dBV/m



0 dB = 83.95 V/m = 38.48 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.11 V/m; Power Drift = -0.02 dB

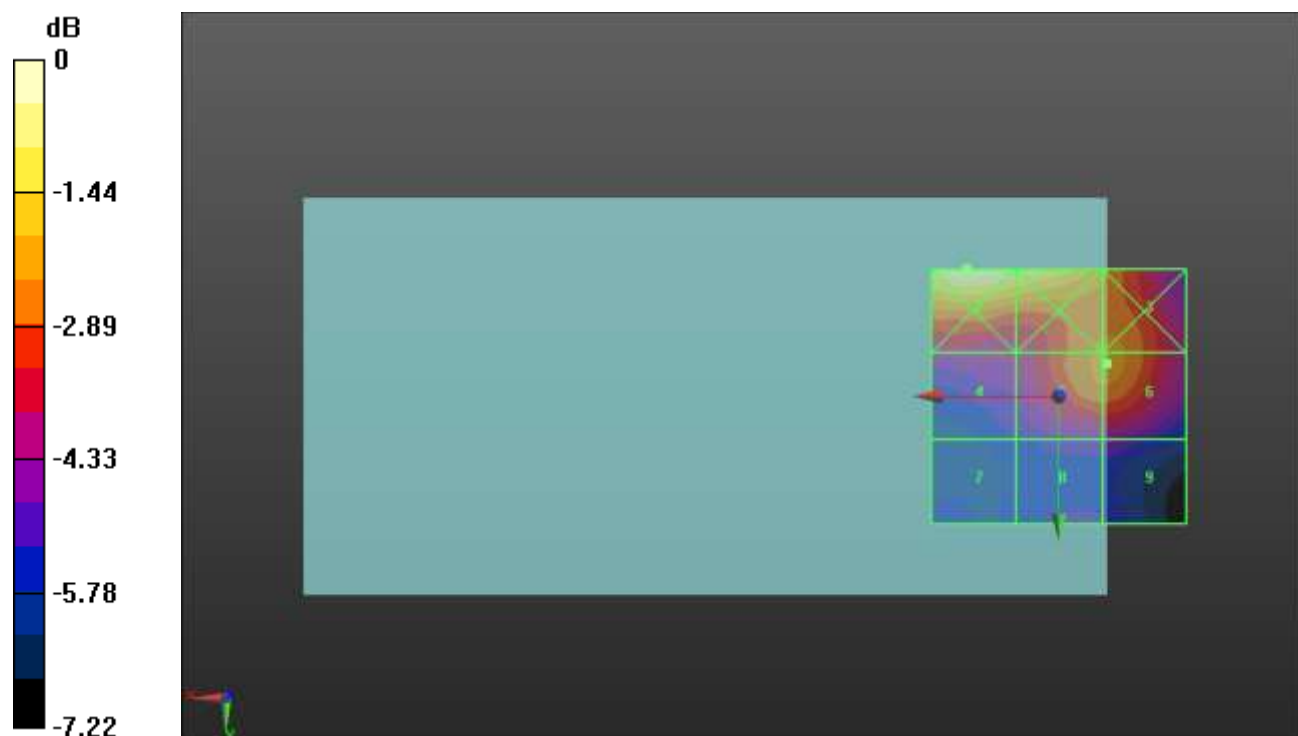
Applied MIF = -1.44 dB

RF audio interference level = 26.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.23 dBV/m	Grid 2 M4 27.81 dBV/m	Grid 3 M4 26.07 dBV/m
Grid 4 M4 24.2 dBV/m	Grid 5 M4 25.99 dBV/m	Grid 6 M4 26.01 dBV/m
Grid 7 M4 22.91 dBV/m	Grid 8 M4 23.57 dBV/m	Grid 9 M4 23.57 dBV/m



0 dB = 25.78 V/m = 28.23 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 45.90 V/m; Power Drift = -0.02 dB

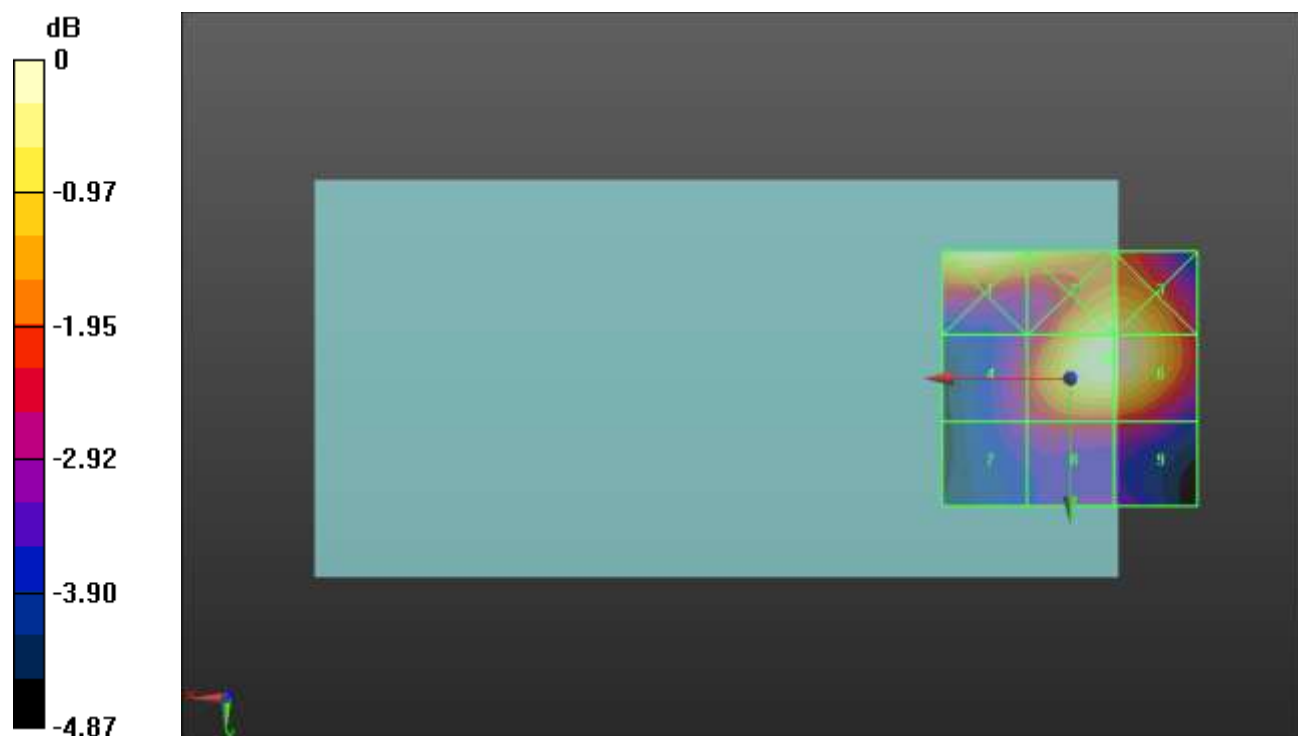
Applied MIF = -1.44 dB

RF audio interference level = 28.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.23 dBV/m	Grid 2 M4 27.97 dBV/m	Grid 3 M4 27.97 dBV/m
Grid 4 M4 25.9 dBV/m	Grid 5 M4 28.23 dBV/m	Grid 6 M4 28.22 dBV/m
Grid 7 M4 25.39 dBV/m	Grid 8 M4 26.03 dBV/m	Grid 9 M4 26 dBV/m



0 dB = 25.81 V/m = 28.24 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.47 V/m; Power Drift = -0.10 dB

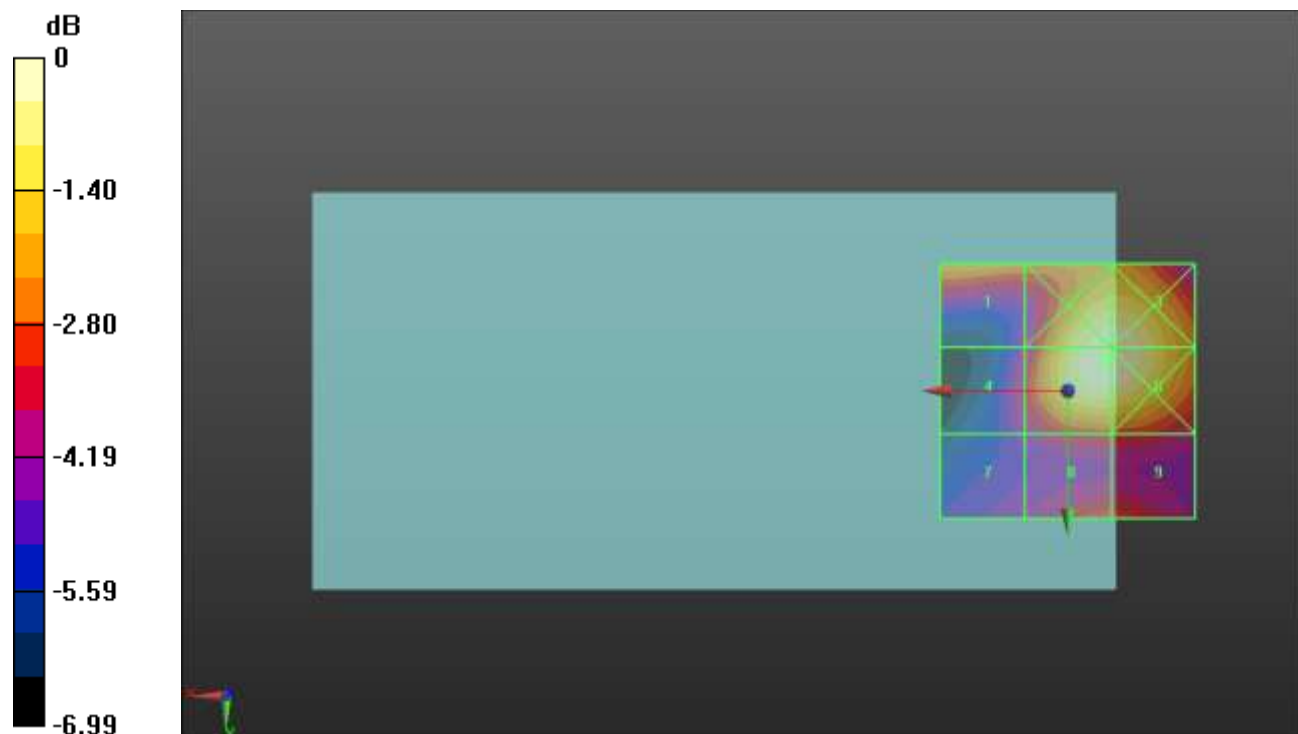
Applied MIF = -1.44 dB

RF audio interference level = 29.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.48 dBV/m	Grid 2 M4 29.19 dBV/m	Grid 3 M4 29.19 dBV/m
Grid 4 M4 25.67 dBV/m	Grid 5 M4 29.25 dBV/m	Grid 6 M4 29.25 dBV/m
Grid 7 M4 25.12 dBV/m	Grid 8 M4 26.26 dBV/m	Grid 9 M4 26.25 dBV/m



0 dB = 29.02 V/m = 29.25 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.10 V/m; Power Drift = -0.00 dB

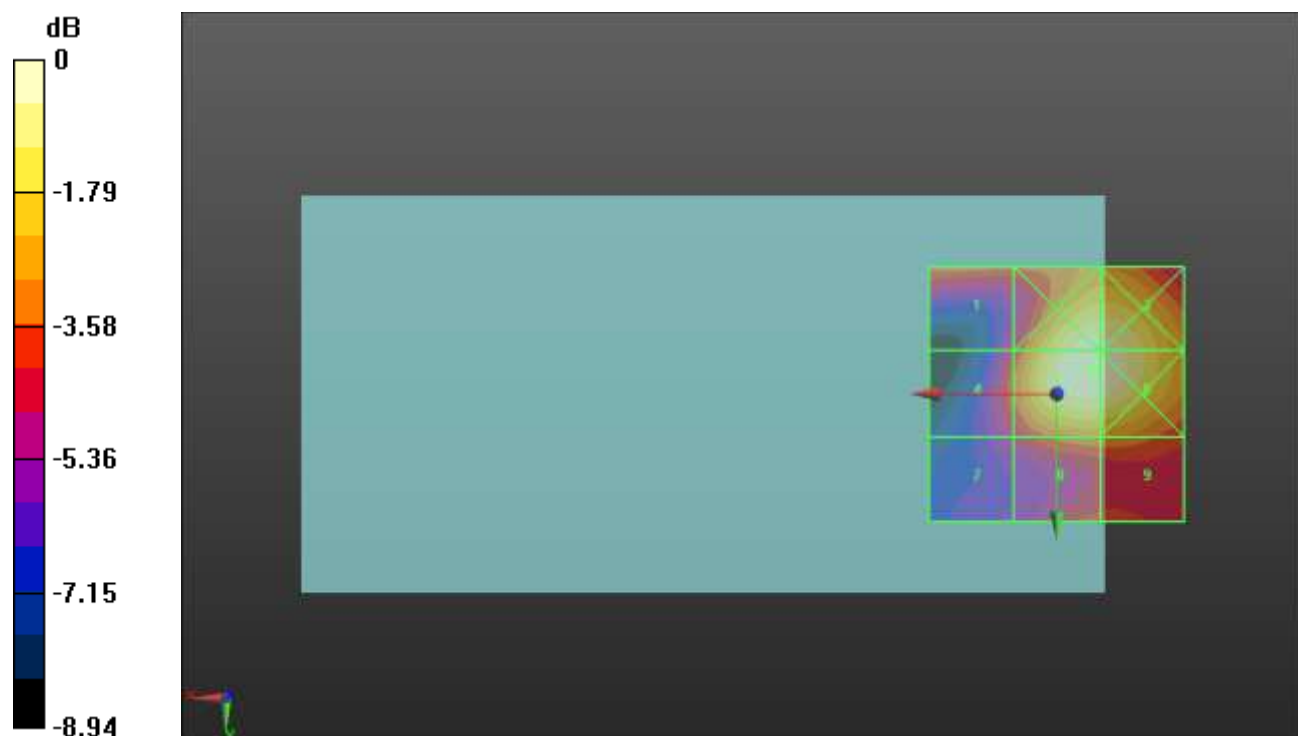
Applied MIF = -1.44 dB

RF audio interference level = 29.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.82 dBV/m	Grid 2 M4 29.8 dBV/m	Grid 3 M4 29.76 dBV/m
Grid 4 M4 26.43 dBV/m	Grid 5 M4 29.99 dBV/m	Grid 6 M4 29.94 dBV/m
Grid 7 M4 25.15 dBV/m	Grid 8 M4 26.98 dBV/m	Grid 9 M4 26.97 dBV/m



0 dB = 31.57 V/m = 29.99 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 56.70 V/m; Power Drift = -0.00 dB

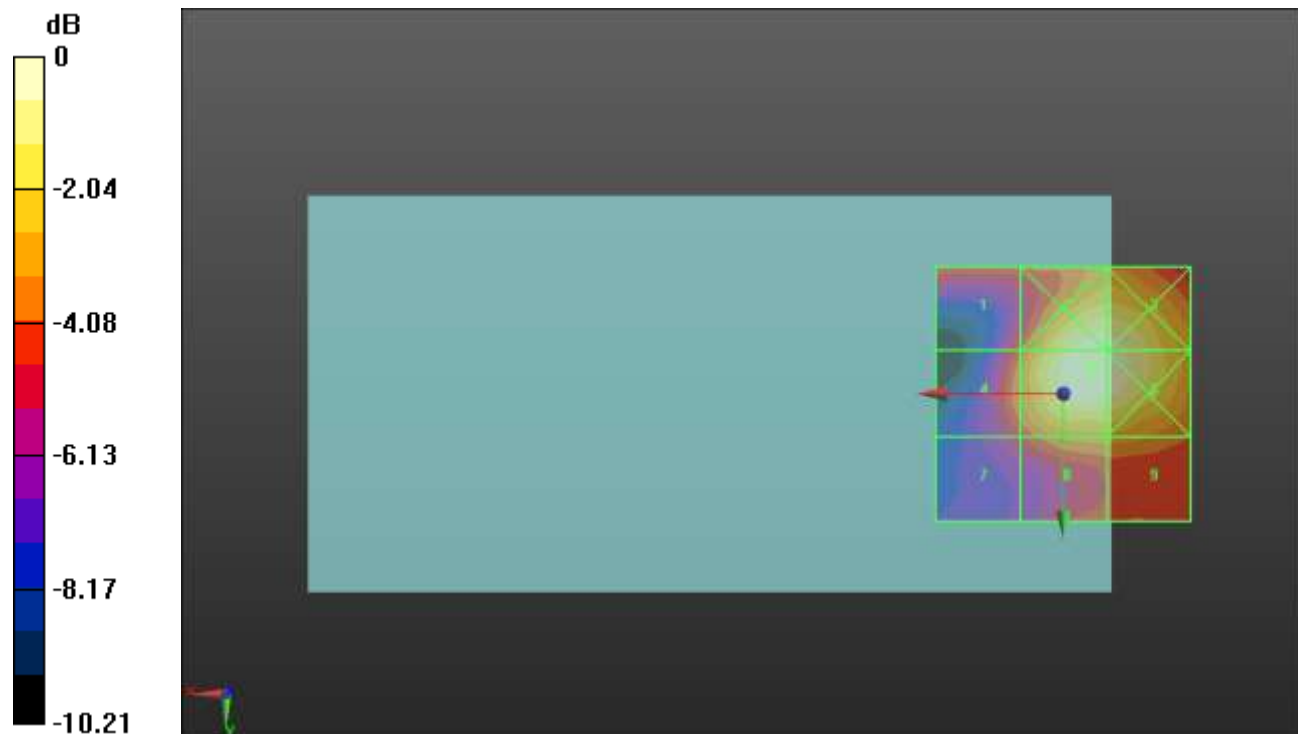
Applied MIF = -1.44 dB

RF audio interference level = 30.42 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.42 dBV/m	Grid 2 M3 30.17 dBV/m	Grid 3 M3 30.07 dBV/m
Grid 4 M4 27.1 dBV/m	Grid 5 M3 30.42 dBV/m	Grid 6 M3 30.12 dBV/m
Grid 7 M4 25.55 dBV/m	Grid 8 M4 27.4 dBV/m	Grid 9 M4 27.39 dBV/m



0 dB = 33.17 V/m = 30.41 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.73 V/m; Power Drift = -0.10 dB

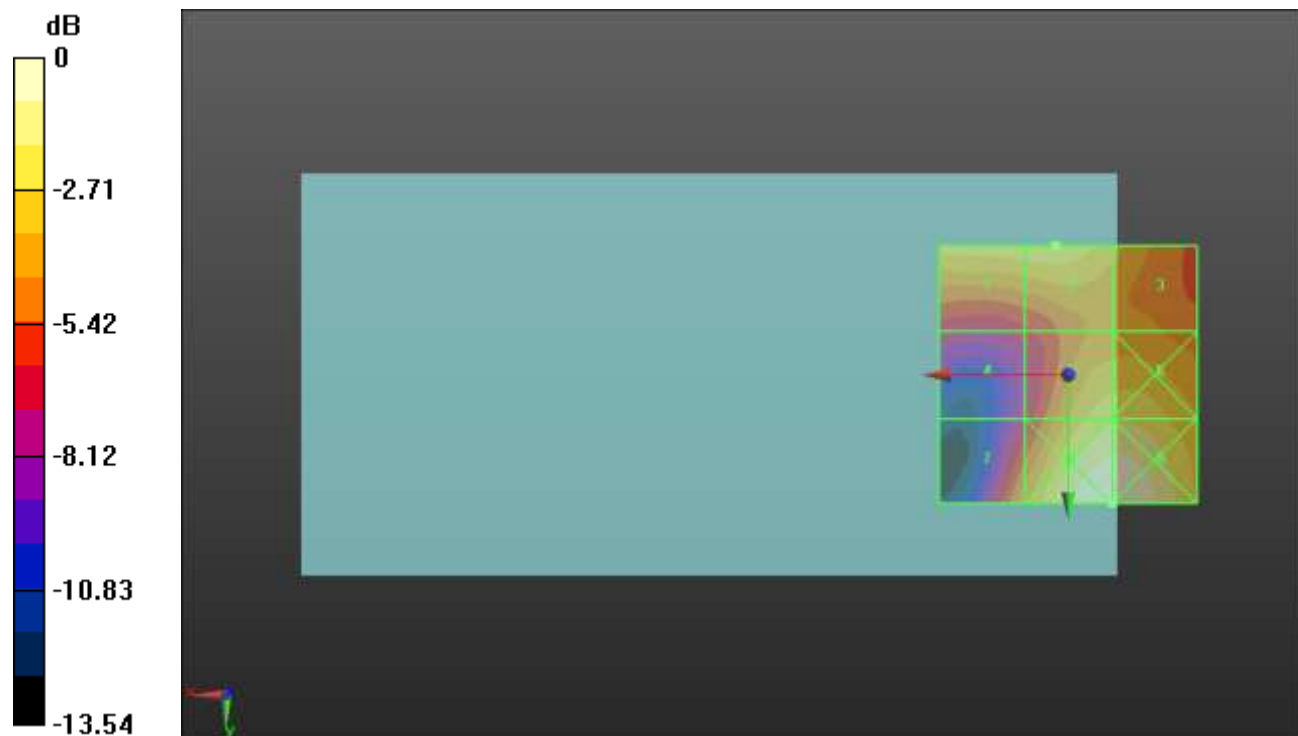
Applied MIF = 3.63 dB

RF audio interference level = 28.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.7 dBV/m	Grid 2 M4 28.81 dBV/m	Grid 3 M4 27.51 dBV/m
Grid 4 M4 24.15 dBV/m	Grid 5 M4 28.74 dBV/m	Grid 6 M4 28.82 dBV/m
Grid 7 M4 26.89 dBV/m	Grid 8 M3 30.7 dBV/m	Grid 9 M3 30.7 dBV/m



0 dB = 34.29 V/m = 30.70 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.93 V/m; Power Drift = -0.16 dB

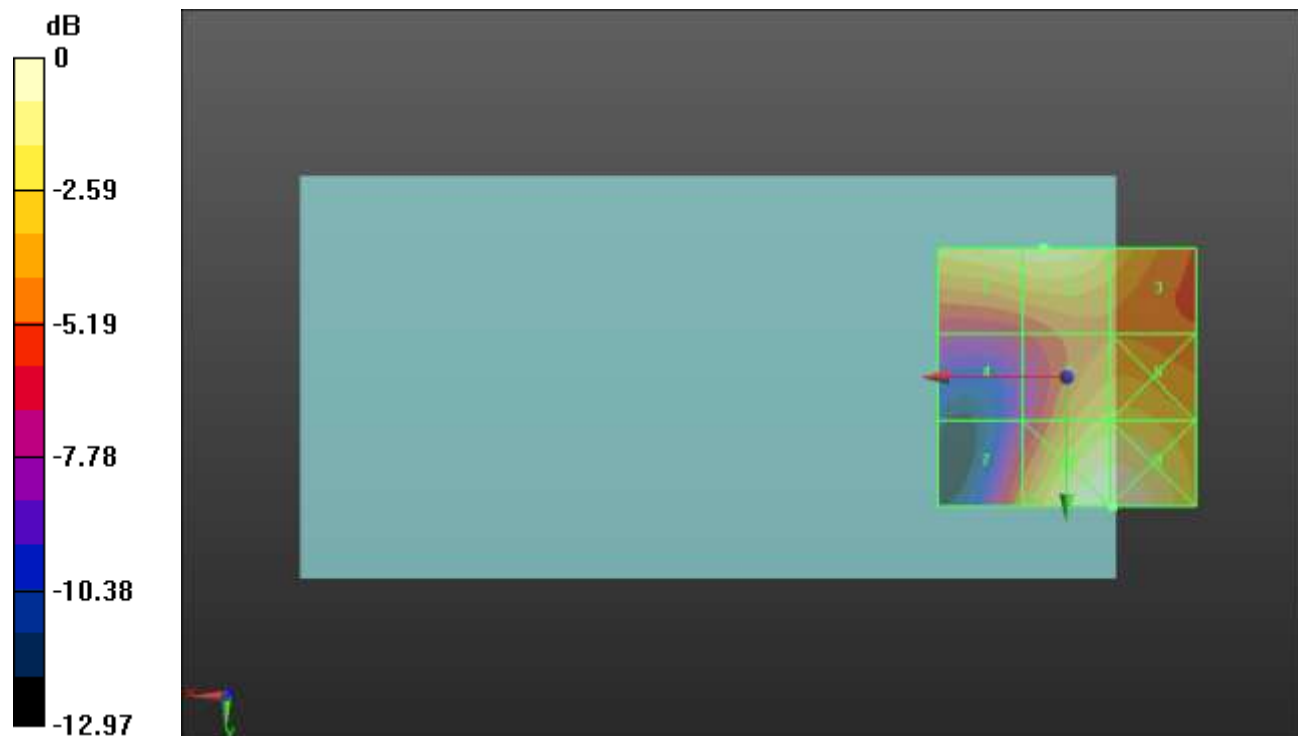
Applied MIF = 3.63 dB

RF audio interference level = 29.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.51 dBV/m	Grid 2 M4 29.68 dBV/m	Grid 3 M4 28.25 dBV/m
Grid 4 M4 24.56 dBV/m	Grid 5 M4 28.54 dBV/m	Grid 6 M4 28.66 dBV/m
Grid 7 M4 26.66 dBV/m	Grid 8 M3 30.77 dBV/m	Grid 9 M3 30.77 dBV/m



0 dB = 34.55 V/m = 30.77 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.03 V/m; Power Drift = -0.08 dB

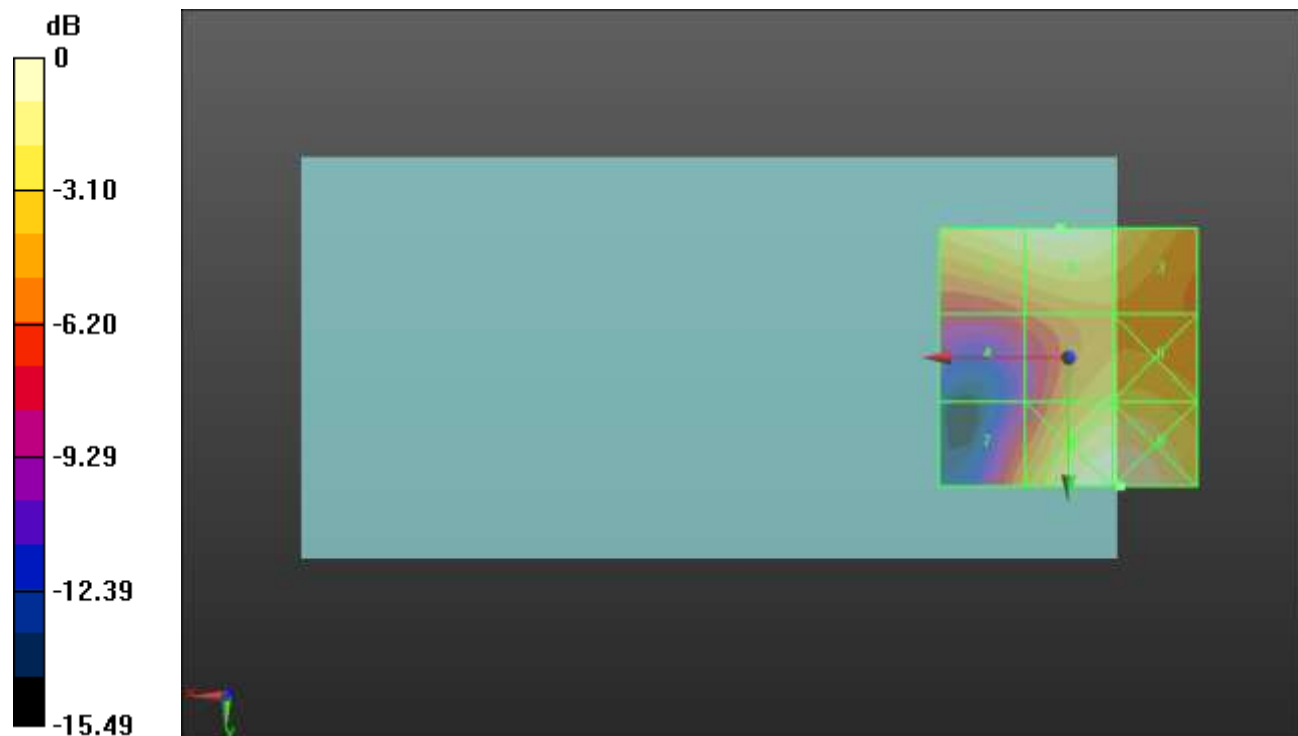
Applied MIF = 3.63 dB

RF audio interference level = 29.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.34 dBV/m	Grid 2 M4 29.79 dBV/m	Grid 3 M4 28.86 dBV/m
Grid 4 M4 23.9 dBV/m	Grid 5 M4 27.38 dBV/m	Grid 6 M4 27.58 dBV/m
Grid 7 M4 25.66 dBV/m	Grid 8 M3 30.15 dBV/m	Grid 9 M3 30.17 dBV/m



0 dB = 32.26 V/m = 30.17 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.960 V/m; Power Drift = -0.12 dB

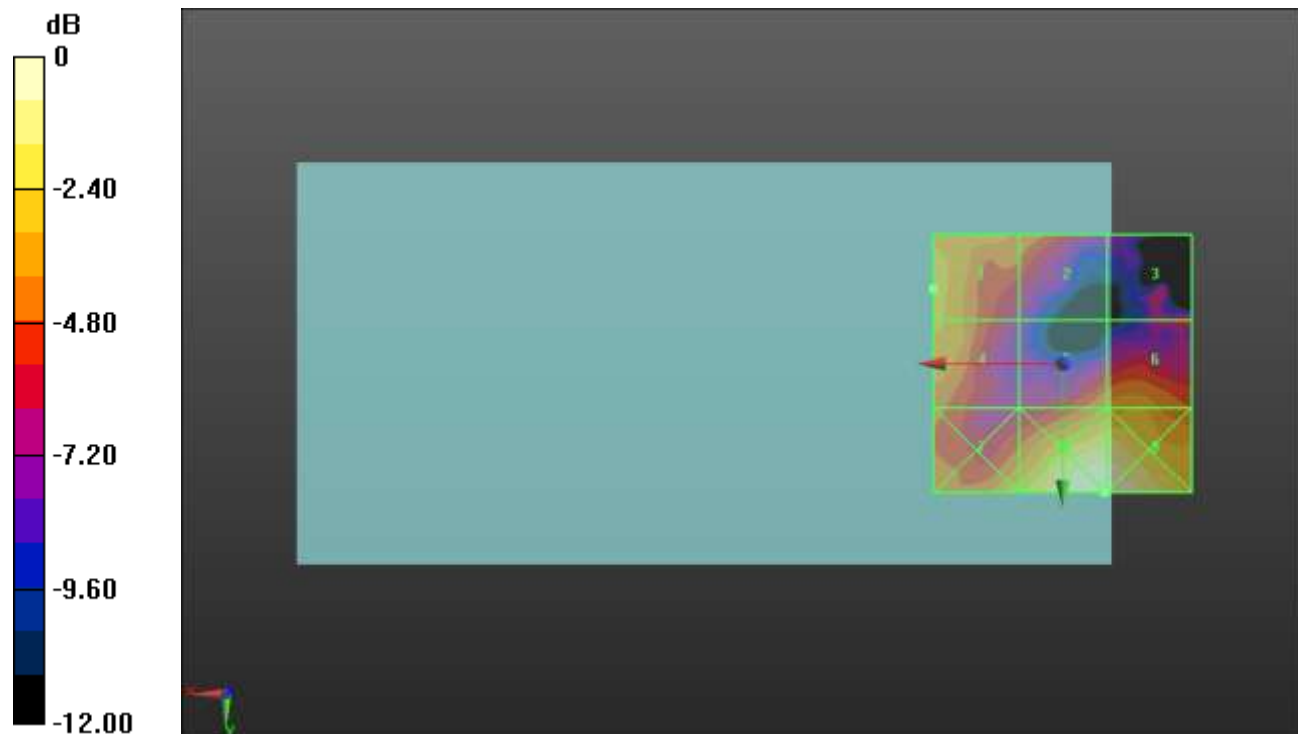
Applied MIF = -1.44 dB

RF audio interference level = 14.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.69 dBV/m	Grid 2 M4 13.38 dBV/m	Grid 3 M4 11.7 dBV/m
Grid 4 M4 14.46 dBV/m	Grid 5 M4 13.67 dBV/m	Grid 6 M4 14.27 dBV/m
Grid 7 M4 15.12 dBV/m	Grid 8 M4 17.46 dBV/m	Grid 9 M4 17.46 dBV/m



0 dB = 7.467 V/m = 17.46 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.950 V/m; Power Drift = -0.20 dB

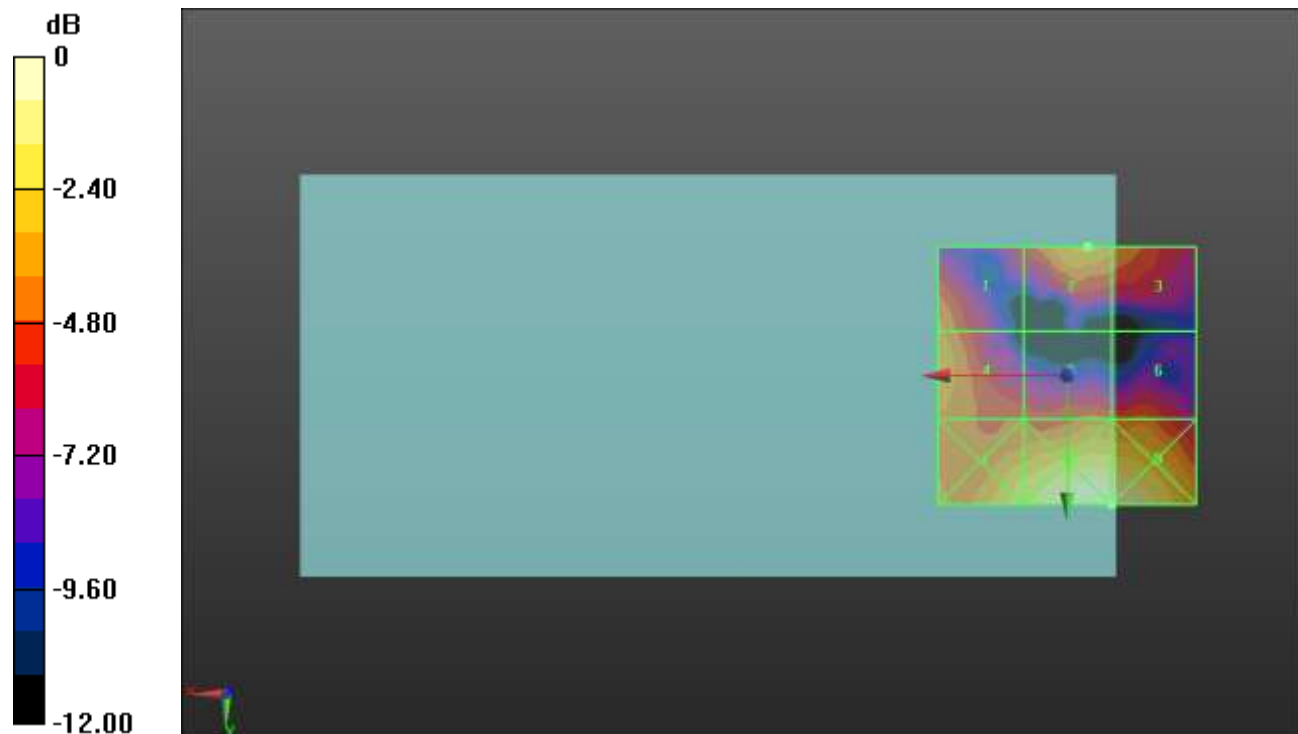
Applied MIF = -1.44 dB

RF audio interference level = 14.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.33 dBV/m	Grid 2 M4 14.03 dBV/m	Grid 3 M4 13.23 dBV/m
Grid 4 M4 13.67 dBV/m	Grid 5 M4 12.56 dBV/m	Grid 6 M4 12.52 dBV/m
Grid 7 M4 15.15 dBV/m	Grid 8 M4 16.98 dBV/m	Grid 9 M4 16.98 dBV/m



0 dB = 7.060 V/m = 16.98 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.882 V/m; Power Drift = 0.00 dB

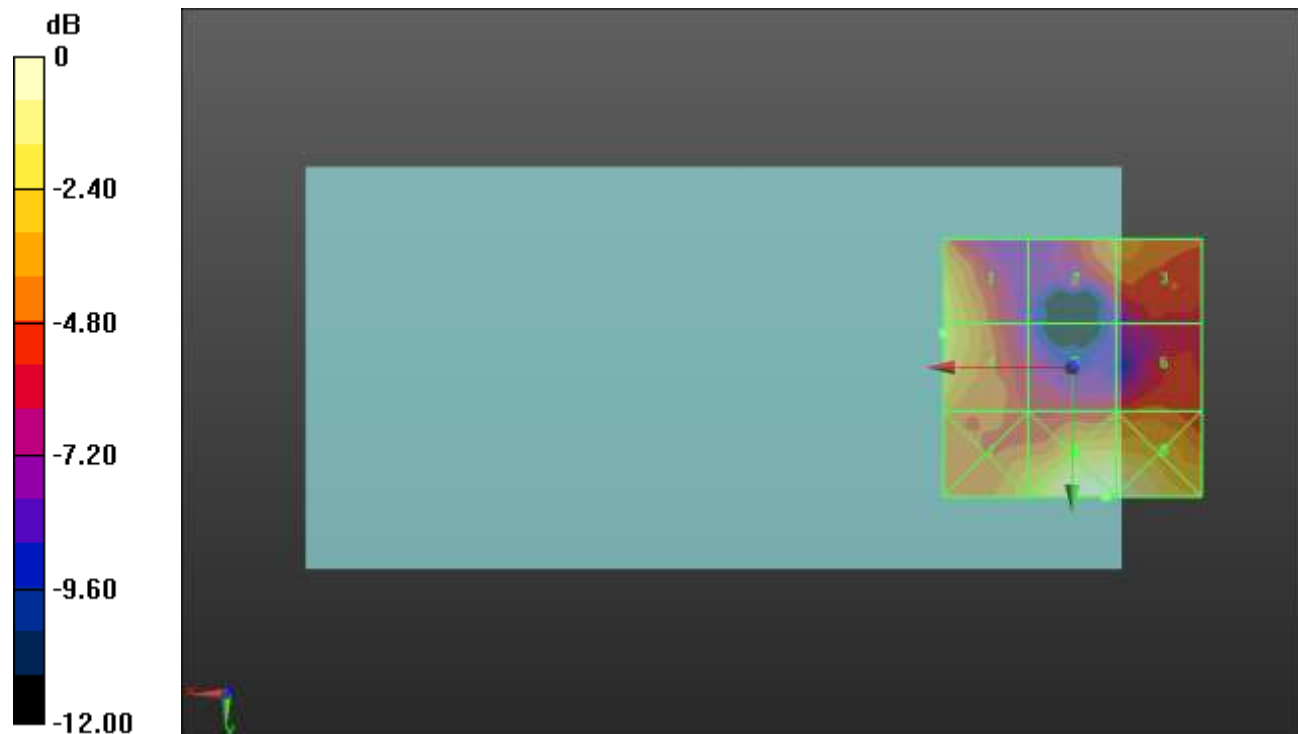
Applied MIF = -1.44 dB

RF audio interference level = 15.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.14 dBV/m	Grid 2 M4 13.35 dBV/m	Grid 3 M4 13.55 dBV/m
Grid 4 M4 15.18 dBV/m	Grid 5 M4 11.72 dBV/m	Grid 6 M4 12.47 dBV/m
Grid 7 M4 14.33 dBV/m	Grid 8 M4 16.85 dBV/m	Grid 9 M4 16.75 dBV/m



0 dB = 6.956 V/m = 16.85 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.258 V/m; Power Drift = 0.19 dB

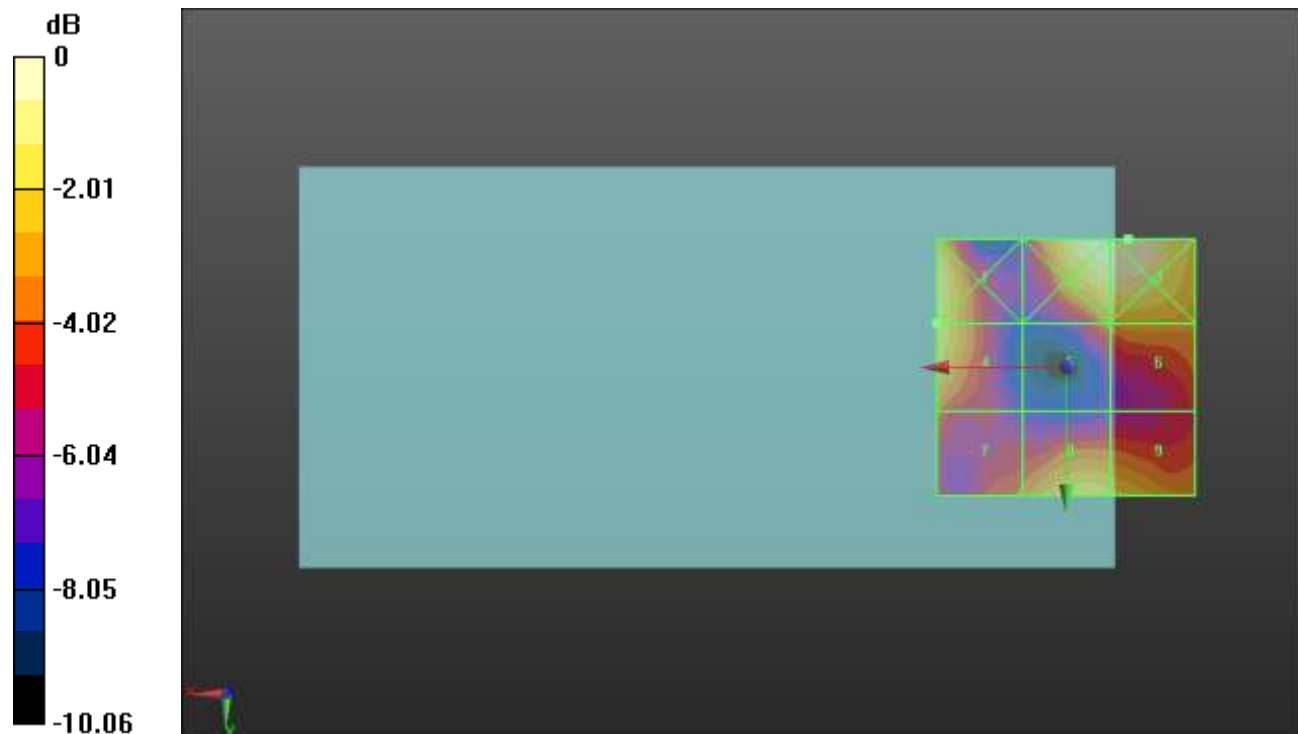
Applied MIF = -1.44 dB

RF audio interference level = 16.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.65 dBV/m	Grid 2 M4 17.57 dBV/m	Grid 3 M4 17.61 dBV/m
Grid 4 M4 16.51 dBV/m	Grid 5 M4 14.17 dBV/m	Grid 6 M4 14.82 dBV/m
Grid 7 M4 14 dBV/m	Grid 8 M4 16.32 dBV/m	Grid 9 M4 16.04 dBV/m



0 dB = 7.590 V/m = 17.60 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.238 V/m; Power Drift = -0.01 dB

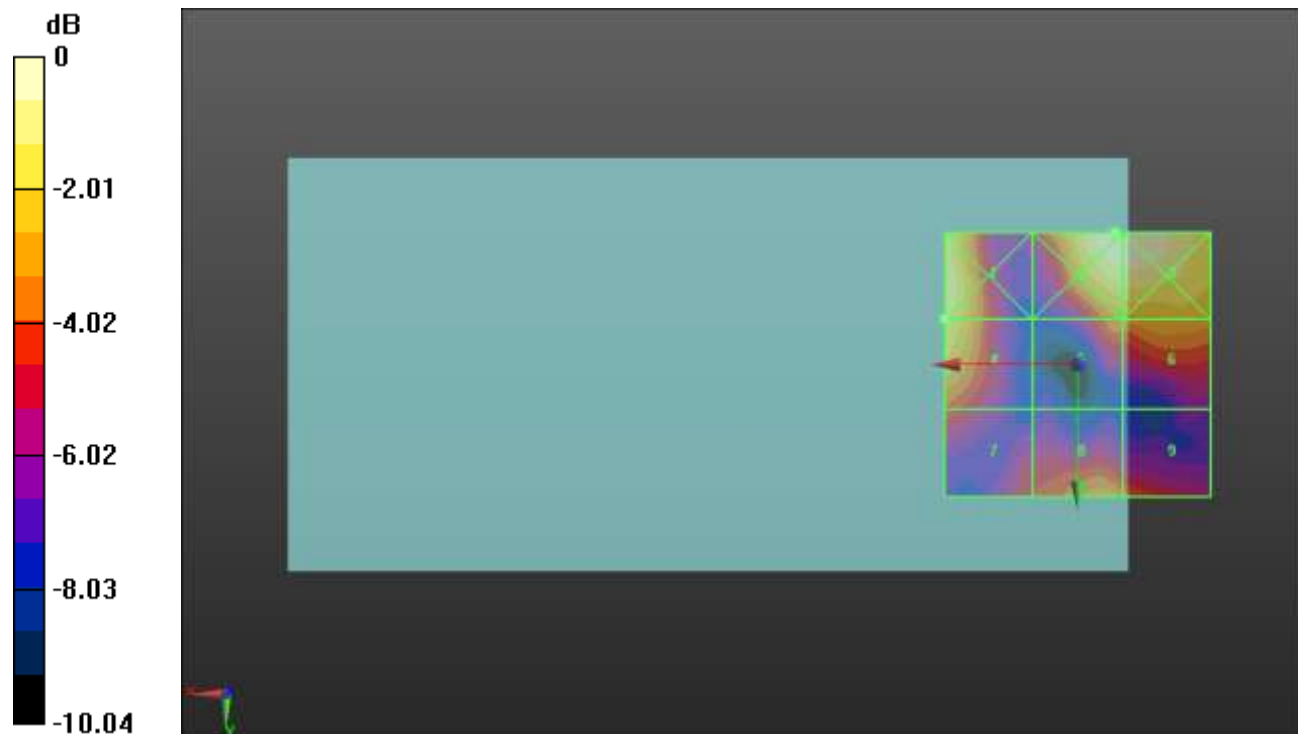
Applied MIF = -1.44 dB

RF audio interference level = 17.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.73 dBV/m	Grid 2 M4 18.37 dBV/m	Grid 3 M4 18.33 dBV/m
Grid 4 M4 17.39 dBV/m	Grid 5 M4 15.19 dBV/m	Grid 6 M4 15.8 dBV/m
Grid 7 M4 14.23 dBV/m	Grid 8 M4 15.57 dBV/m	Grid 9 M4 14.89 dBV/m



0 dB = 8.288 V/m = 18.37 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.108 V/m; Power Drift = 0.13 dB

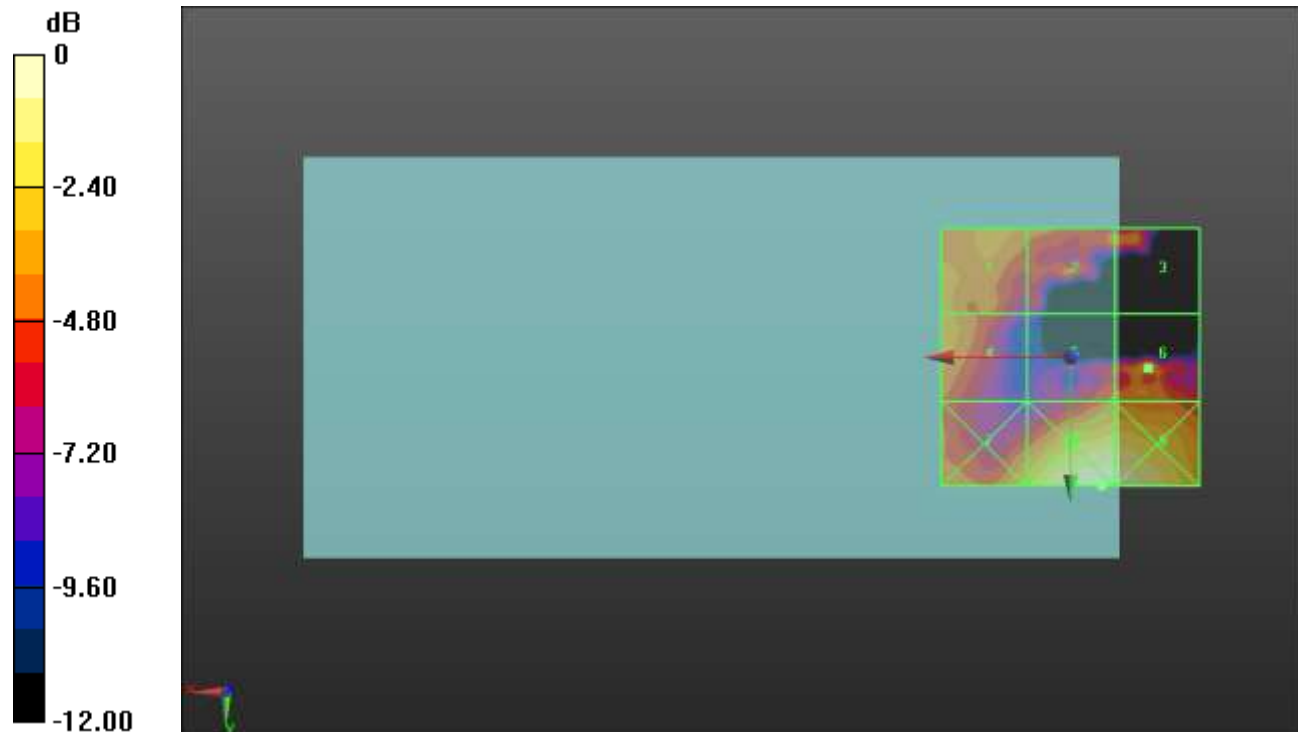
Applied MIF = -1.44 dB

RF audio interference level = 13.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.28 dBV/m	Grid 2 M4 12.5 dBV/m	Grid 3 M4 12.57 dBV/m
Grid 4 M4 13.33 dBV/m	Grid 5 M4 12.04 dBV/m	Grid 6 M4 13.38 dBV/m
Grid 7 M4 14 dBV/m	Grid 8 M4 16.55 dBV/m	Grid 9 M4 16.43 dBV/m



0 dB = 6.721 V/m = 16.55 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.972 V/m; Power Drift = -0.11 dB

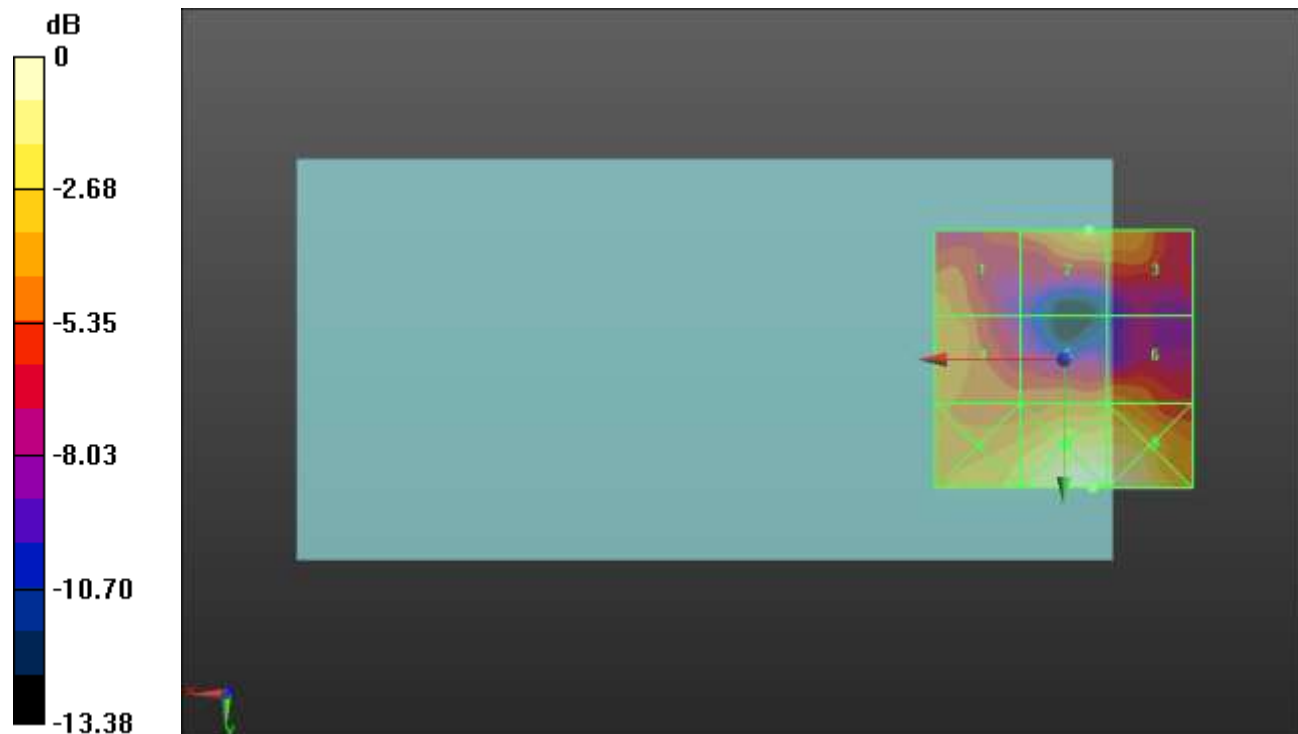
Applied MIF = -1.44 dB

RF audio interference level = 13.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.16 dBV/m	Grid 2 M4 13.98 dBV/m	Grid 3 M4 13.46 dBV/m
Grid 4 M4 13.21 dBV/m	Grid 5 M4 12.77 dBV/m	Grid 6 M4 12.82 dBV/m
Grid 7 M4 14.72 dBV/m	Grid 8 M4 16.84 dBV/m	Grid 9 M4 16.72 dBV/m



0 dB = 6.950 V/m = 16.84 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.417 V/m; Power Drift = 0.13 dB

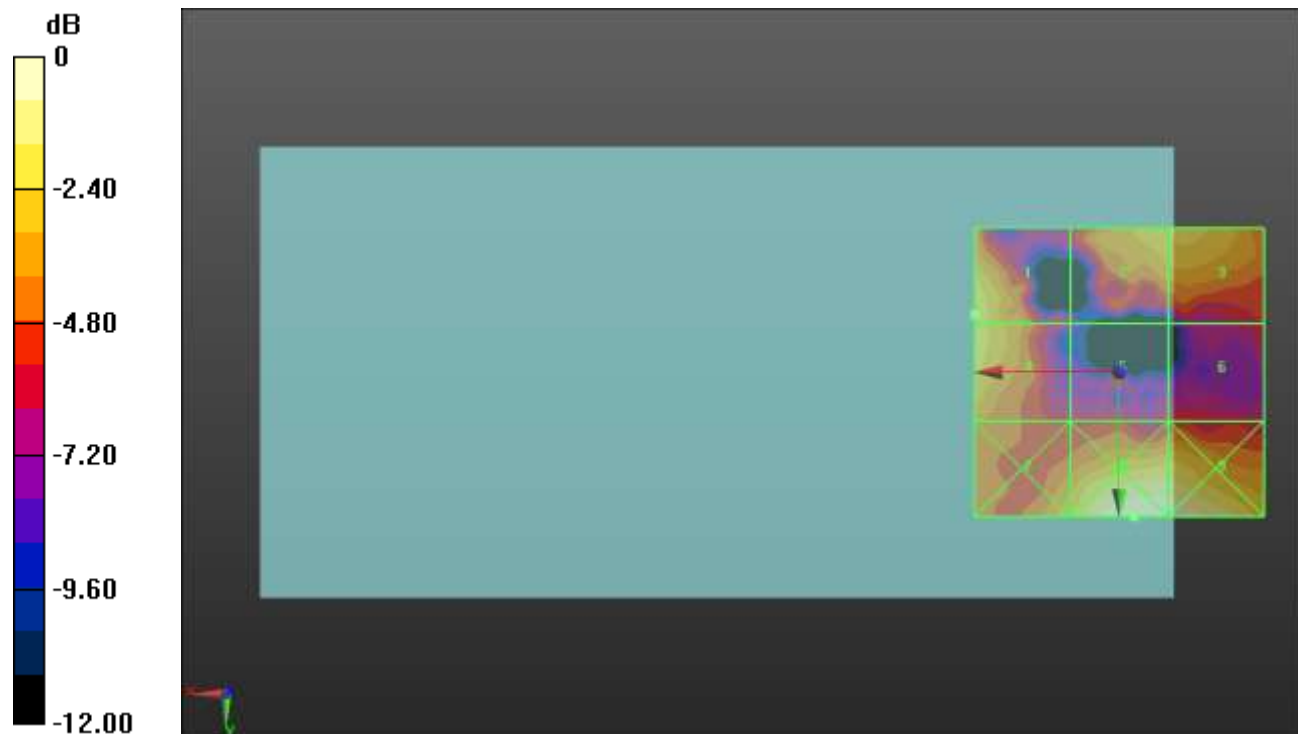
Applied MIF = -1.44 dB

RF audio interference level = 14.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.55 dBV/m	Grid 2 M4 13.61 dBV/m	Grid 3 M4 13.77 dBV/m
Grid 4 M4 14.46 dBV/m	Grid 5 M4 10.35 dBV/m	Grid 6 M4 10.55 dBV/m
Grid 7 M4 13.55 dBV/m	Grid 8 M4 16 dBV/m	Grid 9 M4 15.93 dBV/m



0 dB = 6.313 V/m = 16.00 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 2.714 V/m; Power Drift = 0.10 dB

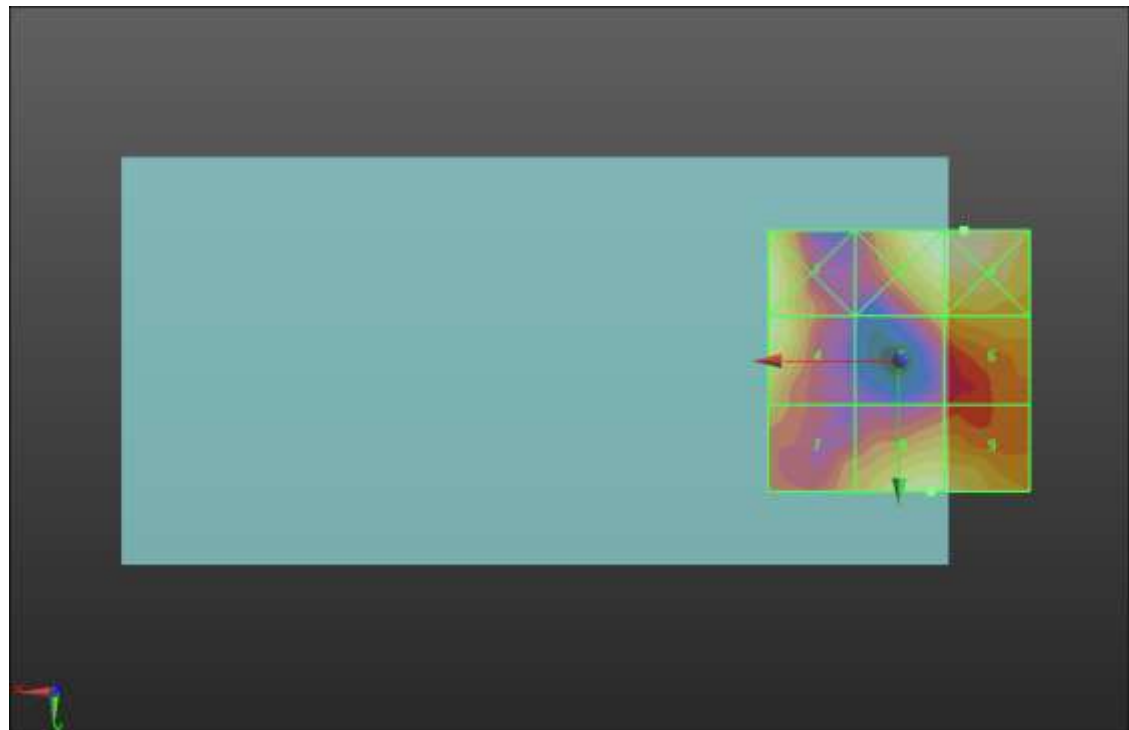
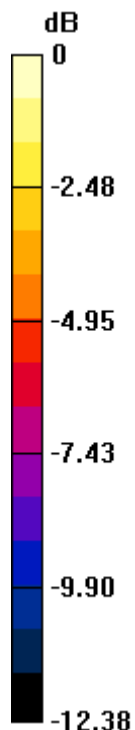
Applied MIF = -1.44 dB

RF audio interference level = 16.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.18 dBV/m	Grid 2 M4 16.9 dBV/m	Grid 3 M4 17.03 dBV/m
Grid 4 M4 15.97 dBV/m	Grid 5 M4 13.31 dBV/m	Grid 6 M4 14.36 dBV/m
Grid 7 M4 13.39 dBV/m	Grid 8 M4 16.16 dBV/m	Grid 9 M4 15.94 dBV/m



0 dB = 7.108 V/m = 17.03 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.585 V/m; Power Drift = 0.15 dB

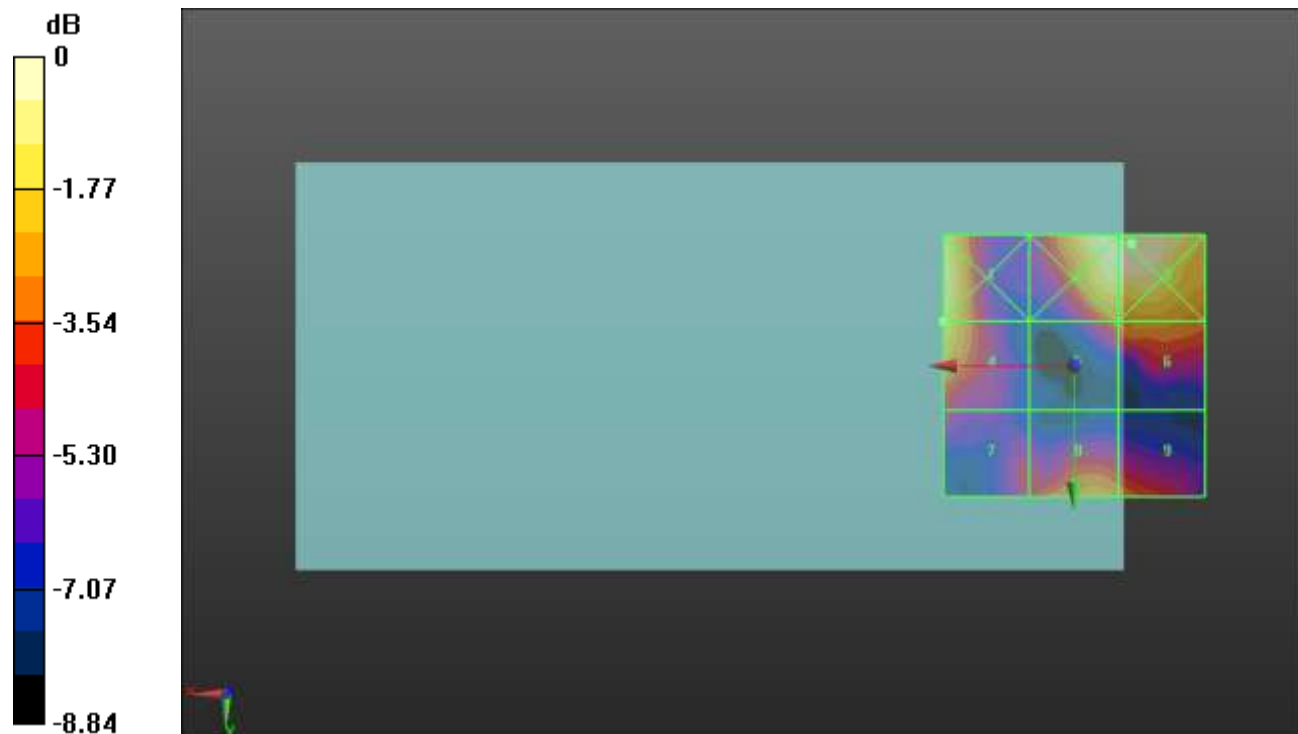
Applied MIF = -1.44 dB

RF audio interference level = 16.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.15 dBV/m	Grid 2 M4 17.63 dBV/m	Grid 3 M4 17.7 dBV/m
Grid 4 M4 16.72 dBV/m	Grid 5 M4 14.43 dBV/m	Grid 6 M4 15.07 dBV/m
Grid 7 M4 13.27 dBV/m	Grid 8 M4 15.05 dBV/m	Grid 9 M4 14.74 dBV/m



0 dB = 7.671 V/m = 17.70 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.99 V/m; Power Drift = -0.11 dB

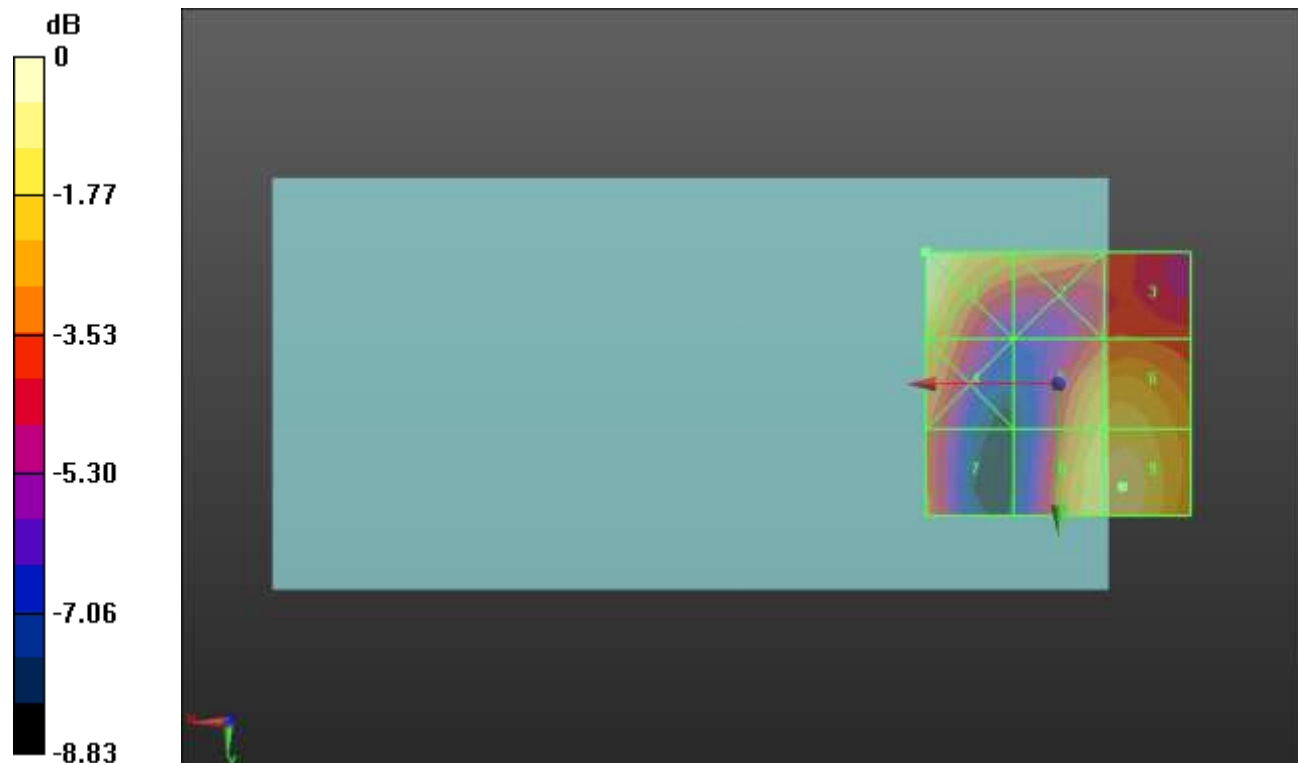
Applied MIF = -2.02 dB

RF audio interference level = 21.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.1 dBV/m	Grid 2 M4 19.85 dBV/m	Grid 3 M4 18.69 dBV/m
Grid 4 M4 19.9 dBV/m	Grid 5 M4 20.48 dBV/m	Grid 6 M4 20.71 dBV/m
Grid 7 M4 19 dBV/m	Grid 8 M4 21.01 dBV/m	Grid 9 M4 21.22 dBV/m



0 dB = 12.74 V/m = 22.10 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.11 V/m; Power Drift = -0.24 dB

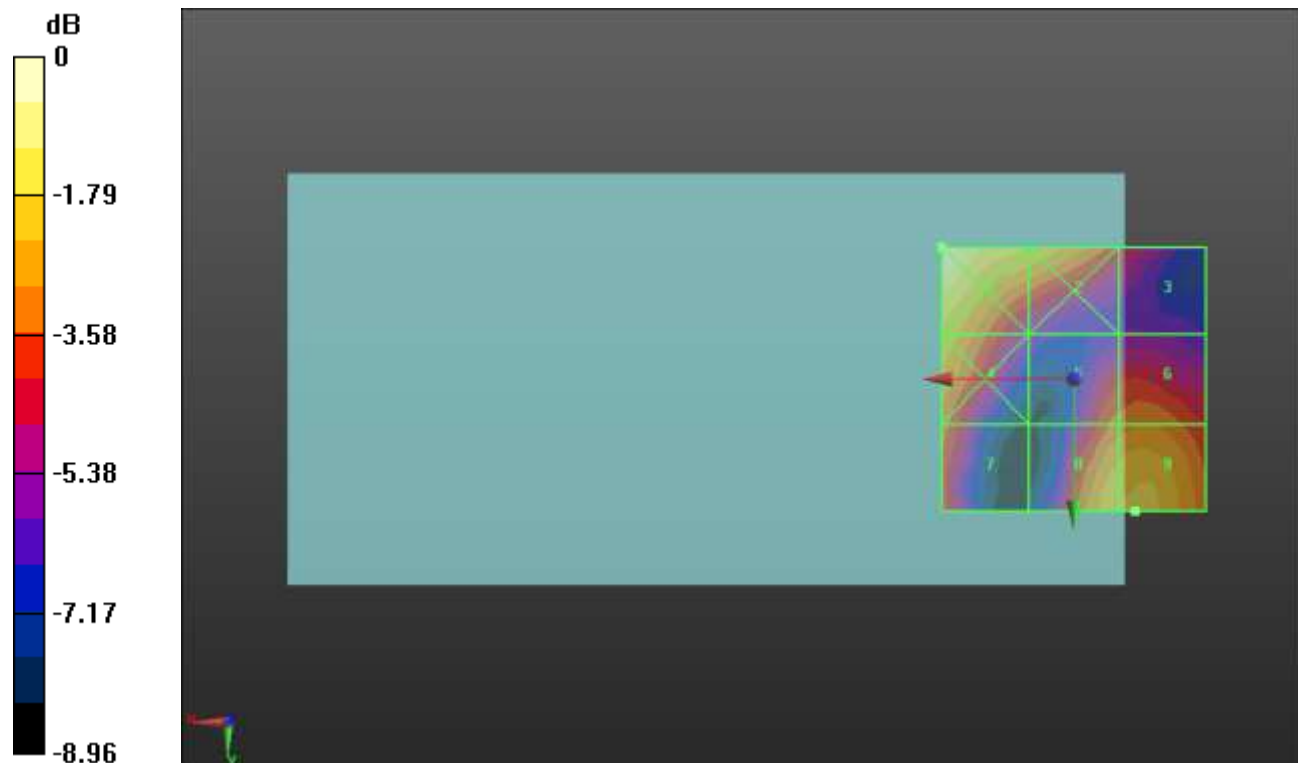
Applied MIF = -2.02 dB

RF audio interference level = 20.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.93 dBV/m	Grid 2 M4 20.11 dBV/m	Grid 3 M4 17.63 dBV/m
Grid 4 M4 20.03 dBV/m	Grid 5 M4 18.64 dBV/m	Grid 6 M4 18.99 dBV/m
Grid 7 M4 18.67 dBV/m	Grid 8 M4 20.16 dBV/m	Grid 9 M4 20.38 dBV/m



0 dB = 12.49 V/m = 21.93 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 11/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.65 V/m; Power Drift = -0.37 dB

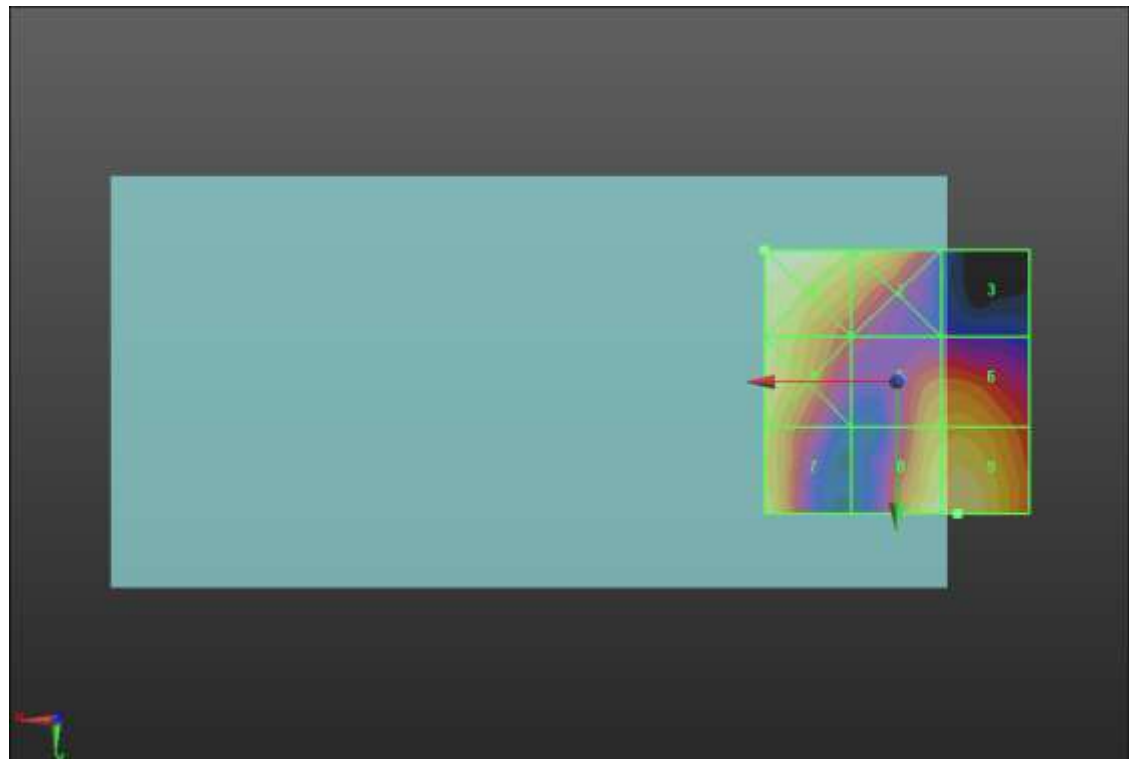
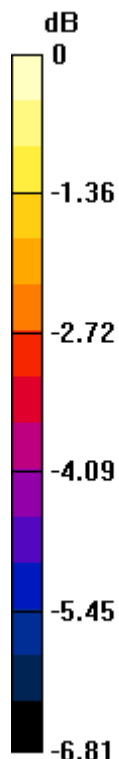
Applied MIF = -2.02 dB

RF audio interference level = 18.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.01 dBV/m	Grid 2 M4 18.2 dBV/m	Grid 3 M4 14.3 dBV/m
Grid 4 M4 18.3 dBV/m	Grid 5 M4 17.38 dBV/m	Grid 6 M4 17.5 dBV/m
Grid 7 M4 18.13 dBV/m	Grid 8 M4 18.34 dBV/m	Grid 9 M4 18.47 dBV/m



0 dB = 8.926 V/m = 19.01 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.72 V/m; Power Drift = -0.23 dB

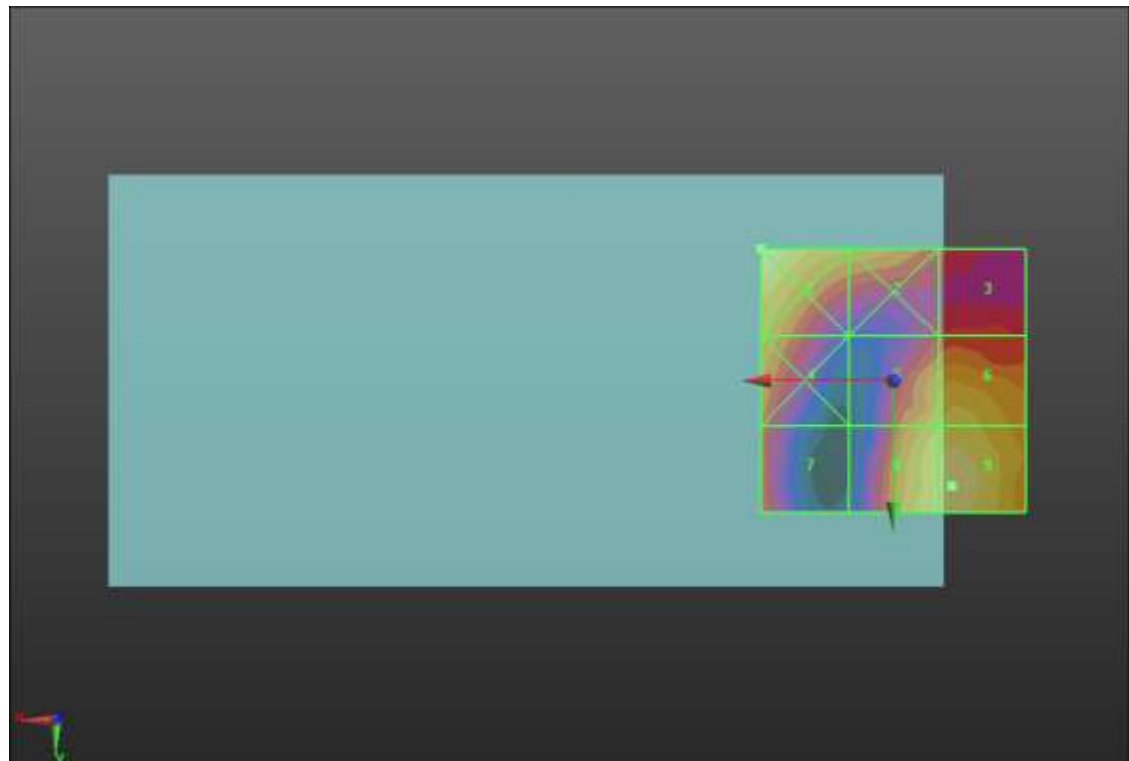
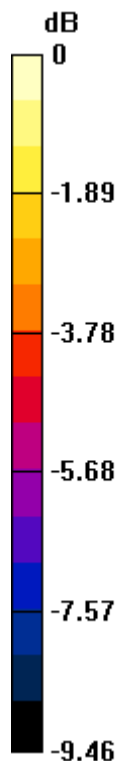
Applied MIF = 0.12 dB

RF audio interference level = 23.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.08 dBV/m	Grid 2 M4 21.64 dBV/m	Grid 3 M4 19.97 dBV/m
Grid 4 M4 21.82 dBV/m	Grid 5 M4 22.17 dBV/m	Grid 6 M4 22.49 dBV/m
Grid 7 M4 20.49 dBV/m	Grid 8 M4 22.94 dBV/m	Grid 9 M4 23.19 dBV/m



0 dB = 15.99 V/m = 24.08 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.34 V/m; Power Drift = -0.26 dB

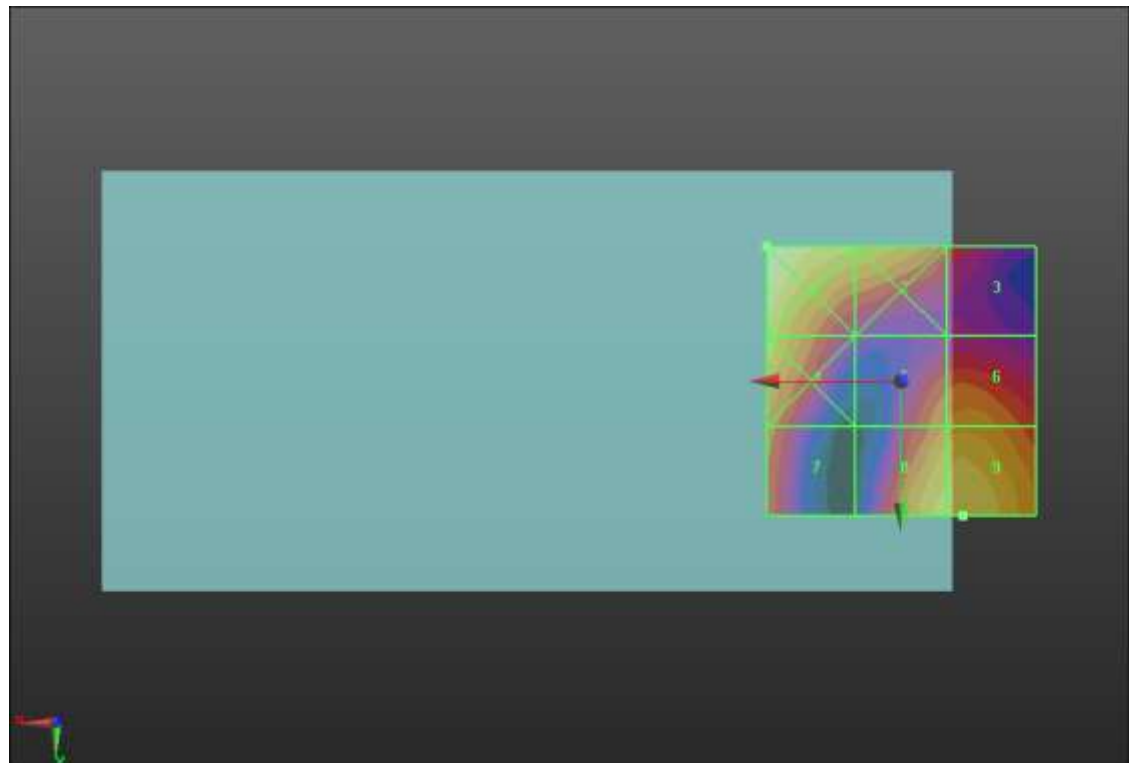
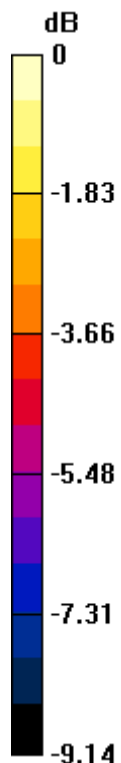
Applied MIF = 0.12 dB

RF audio interference level = 22.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.87 dBV/m	Grid 2 M4 22.15 dBV/m	Grid 3 M4 19.93 dBV/m
Grid 4 M4 22.67 dBV/m	Grid 5 M4 21 dBV/m	Grid 6 M4 21.32 dBV/m
Grid 7 M4 20.64 dBV/m	Grid 8 M4 22.34 dBV/m	Grid 9 M4 22.53 dBV/m



0 dB = 15.61 V/m = 23.87 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.75 V/m; Power Drift = -0.23 dB

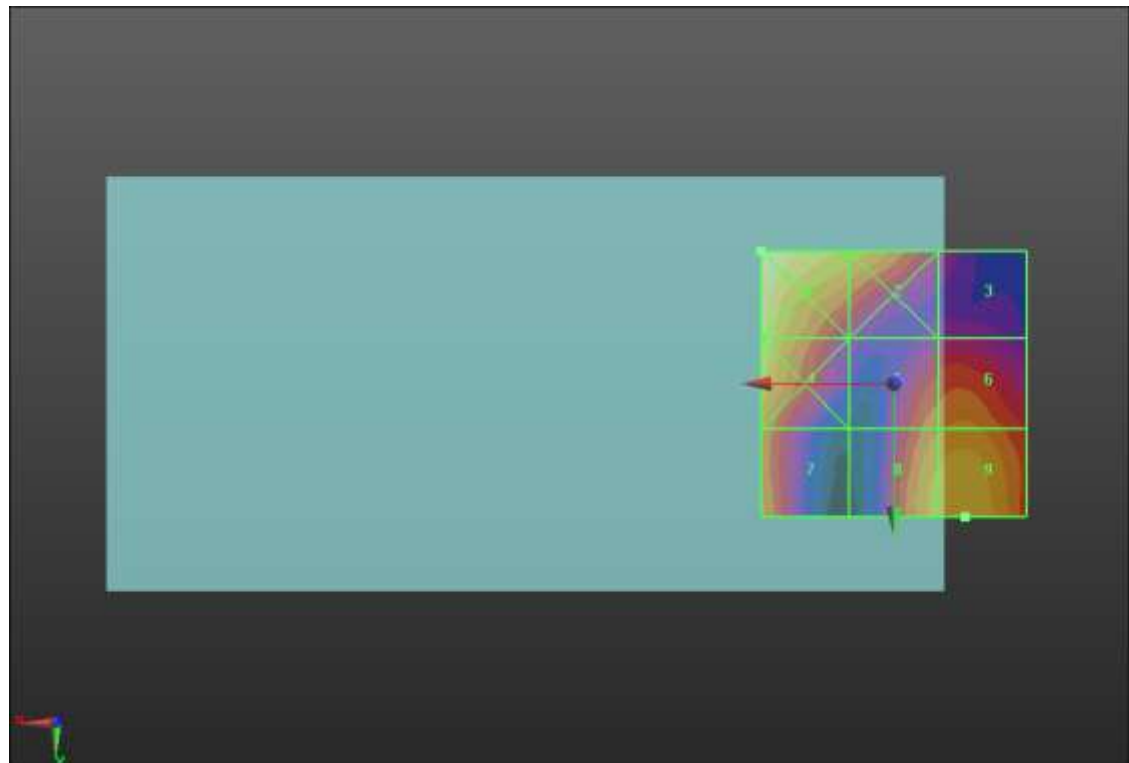
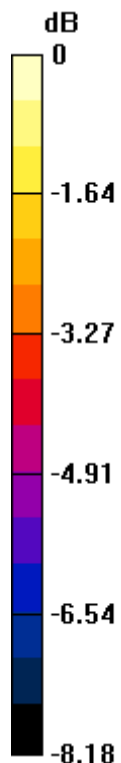
Applied MIF = 0.12 dB

RF audio interference level = 21.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.82 dBV/m	Grid 2 M4 21.04 dBV/m	Grid 3 M4 18.31 dBV/m
Grid 4 M4 22.02 dBV/m	Grid 5 M4 20.01 dBV/m	Grid 6 M4 20.27 dBV/m
Grid 7 M4 20.28 dBV/m	Grid 8 M4 20.87 dBV/m	Grid 9 M4 21.12 dBV/m



0 dB = 13.83 V/m = 22.82 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.66 V/m; Power Drift = -0.17 dB

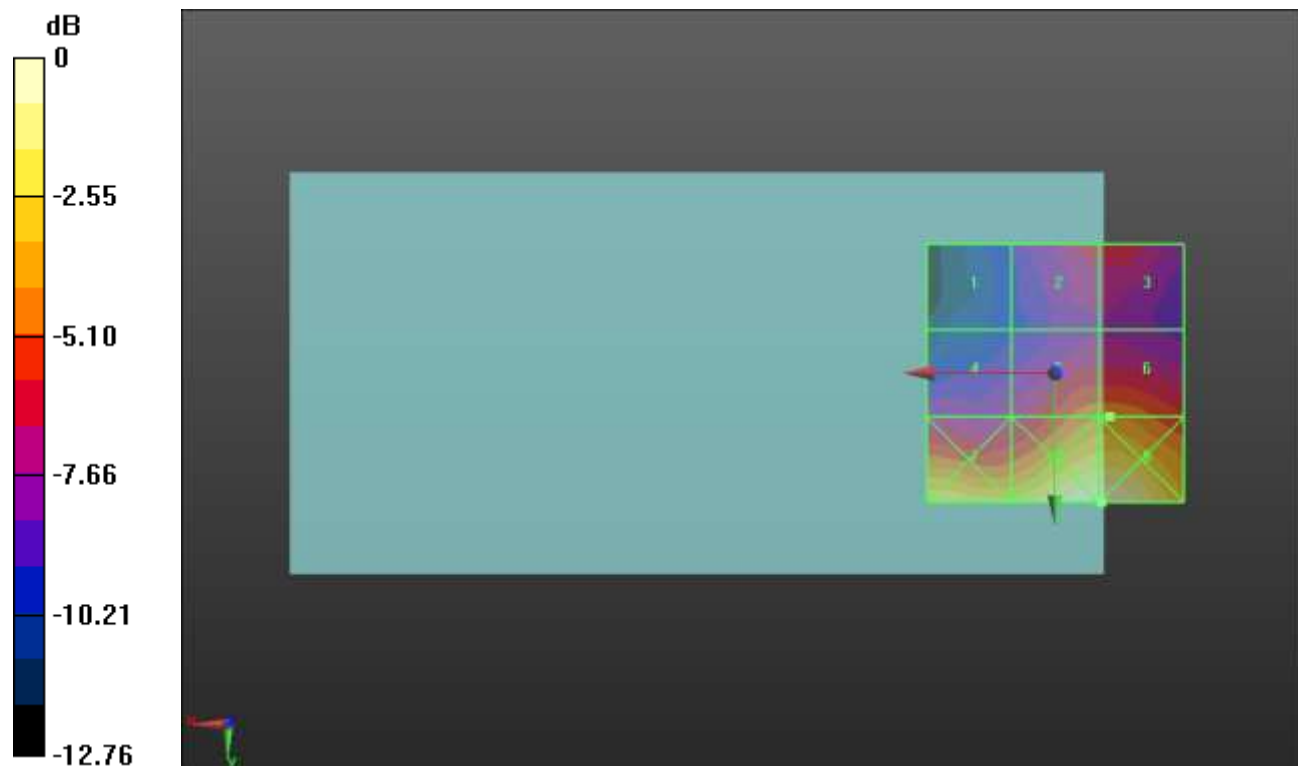
Applied MIF = 3.63 dB

RF audio interference level = 25.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 23.3 dBV/m	Grid 3 M4 23.31 dBV/m
Grid 4 M4 22.26 dBV/m	Grid 5 M4 25.16 dBV/m	Grid 6 M4 25.22 dBV/m
Grid 7 M4 27.89 dBV/m	Grid 8 M4 29.47 dBV/m	Grid 9 M4 29.48 dBV/m



0 dB = 29.77 V/m = 29.48 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.41 V/m; Power Drift = -0.09 dB

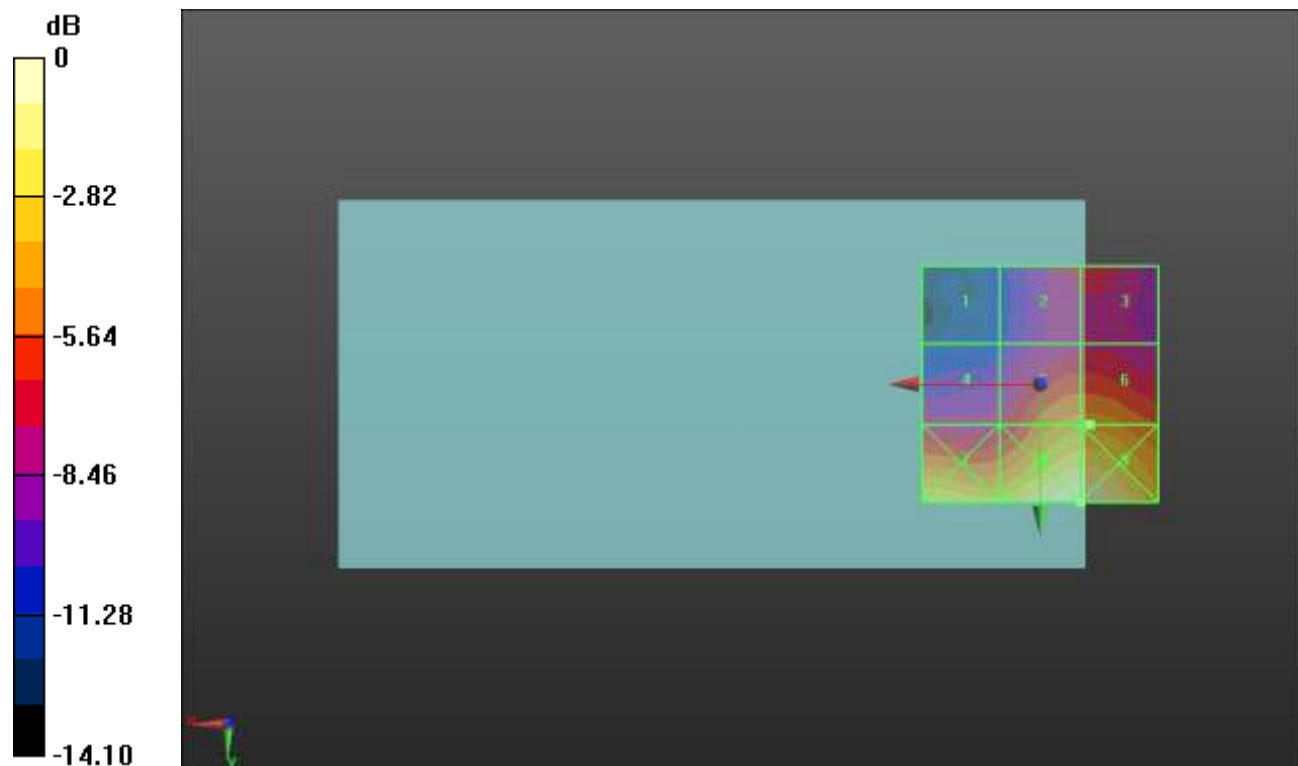
Applied MIF = 3.63 dB

RF audio interference level = 25.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 22.06 dBV/m	Grid 3 M4 22.13 dBV/m
Grid 4 M4 21.71 dBV/m	Grid 5 M4 25.03 dBV/m	Grid 6 M4 25.08 dBV/m
Grid 7 M4 27.63 dBV/m	Grid 8 M4 29.18 dBV/m	Grid 9 M4 29.18 dBV/m



0 dB = 28.76 V/m = 29.18 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.12 V/m; Power Drift = -0.08 dB

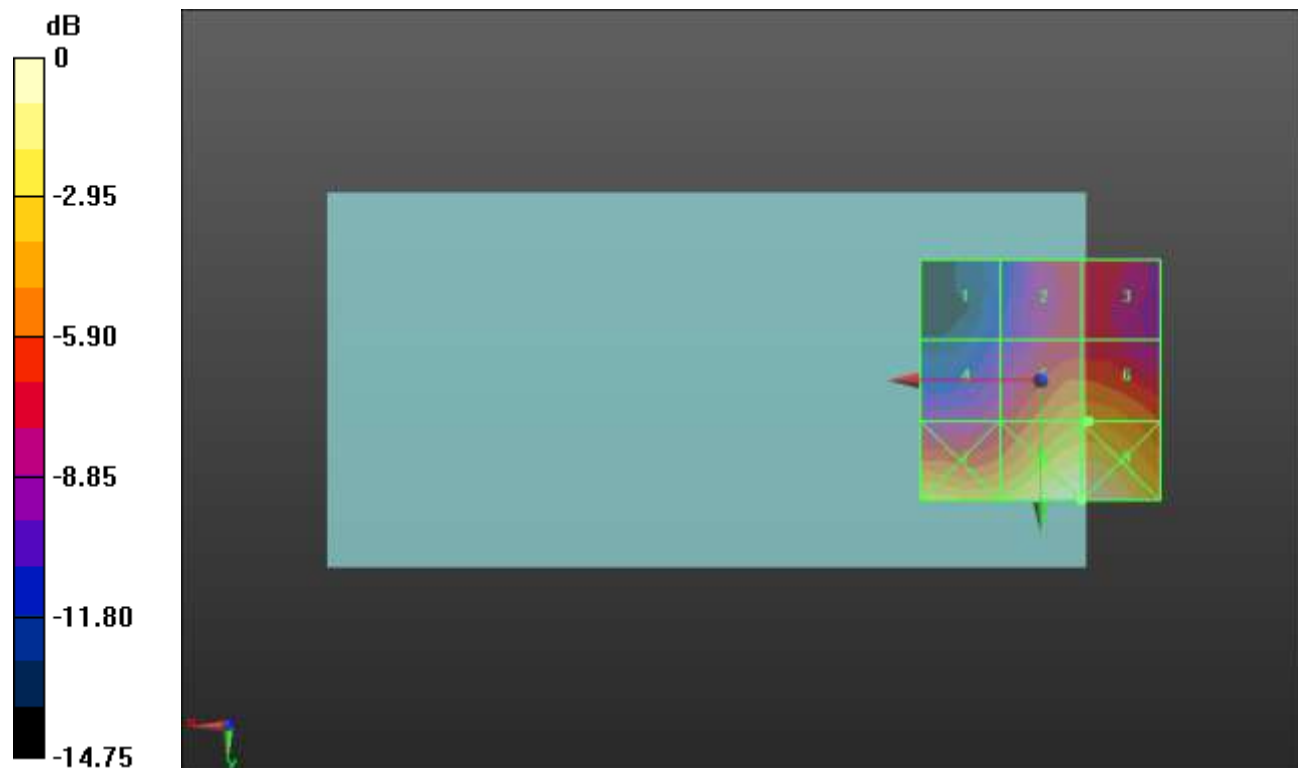
Applied MIF = 3.63 dB

RF audio interference level = 25.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.83 dBV/m	Grid 2 M4 22.35 dBV/m	Grid 3 M4 22.34 dBV/m
Grid 4 M4 21.7 dBV/m	Grid 5 M4 25.45 dBV/m	Grid 6 M4 25.5 dBV/m
Grid 7 M4 27.19 dBV/m	Grid 8 M4 29.45 dBV/m	Grid 9 M4 29.45 dBV/m



0 dB = 29.67 V/m = 29.45 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.08 V/m; Power Drift = 0.10 dB

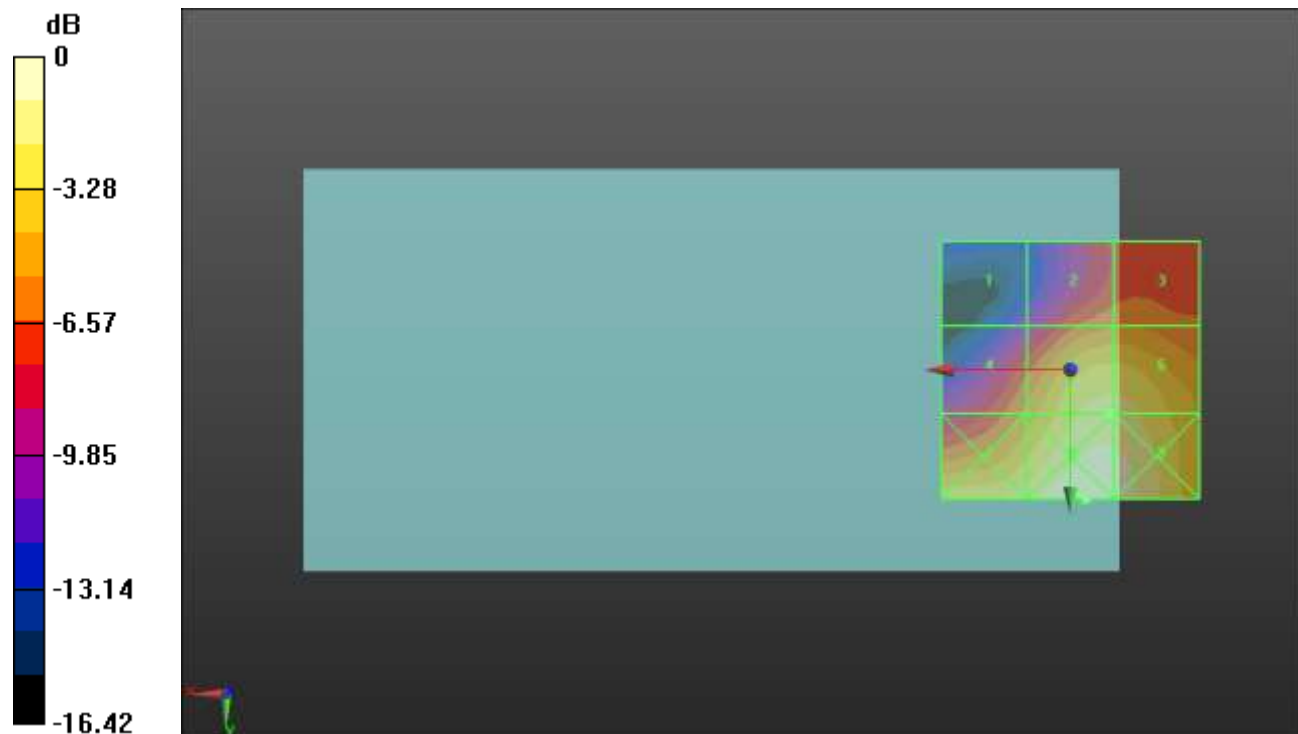
Applied MIF = -1.44 dB

RF audio interference level = 28.57 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.03 dBV/m	Grid 2 M4 24.83 dBV/m	Grid 3 M4 24.92 dBV/m
Grid 4 M4 25.27 dBV/m	Grid 5 M4 28.57 dBV/m	Grid 6 M4 28.56 dBV/m
Grid 7 M4 28.81 dBV/m	Grid 8 M3 30.3 dBV/m	Grid 9 M4 29.94 dBV/m



0 dB = 32.75 V/m = 30.30 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.86 V/m; Power Drift = -0.01 dB

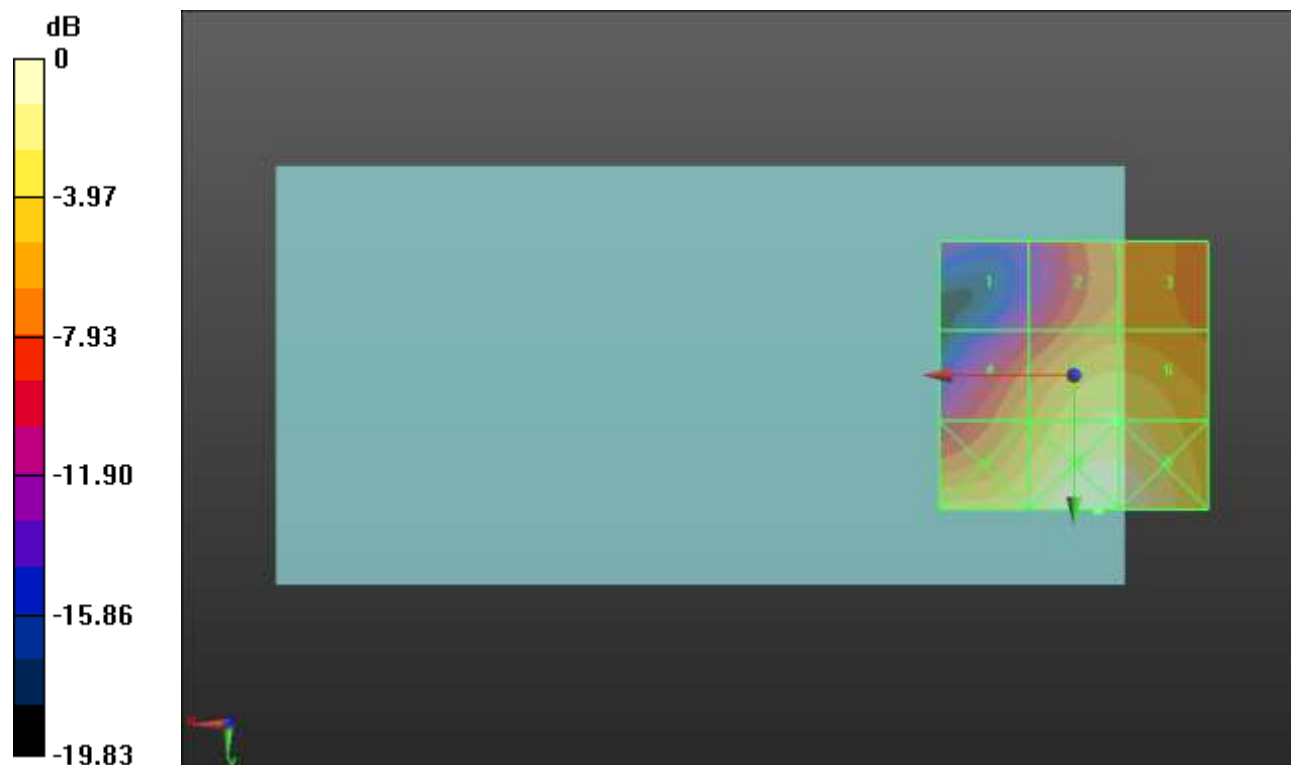
Applied MIF = -1.44 dB

RF audio interference level = 29.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.41 dBV/m	Grid 2 M4 26.22 dBV/m	Grid 3 M4 26.31 dBV/m
Grid 4 M4 26.52 dBV/m	Grid 5 M4 29.65 dBV/m	Grid 6 M4 29.64 dBV/m
Grid 7 M4 29.97 dBV/m	Grid 8 M3 31.98 dBV/m	Grid 9 M3 31.8 dBV/m



0 dB = 39.72 V/m = 31.98 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.17 V/m; Power Drift = -0.14 dB

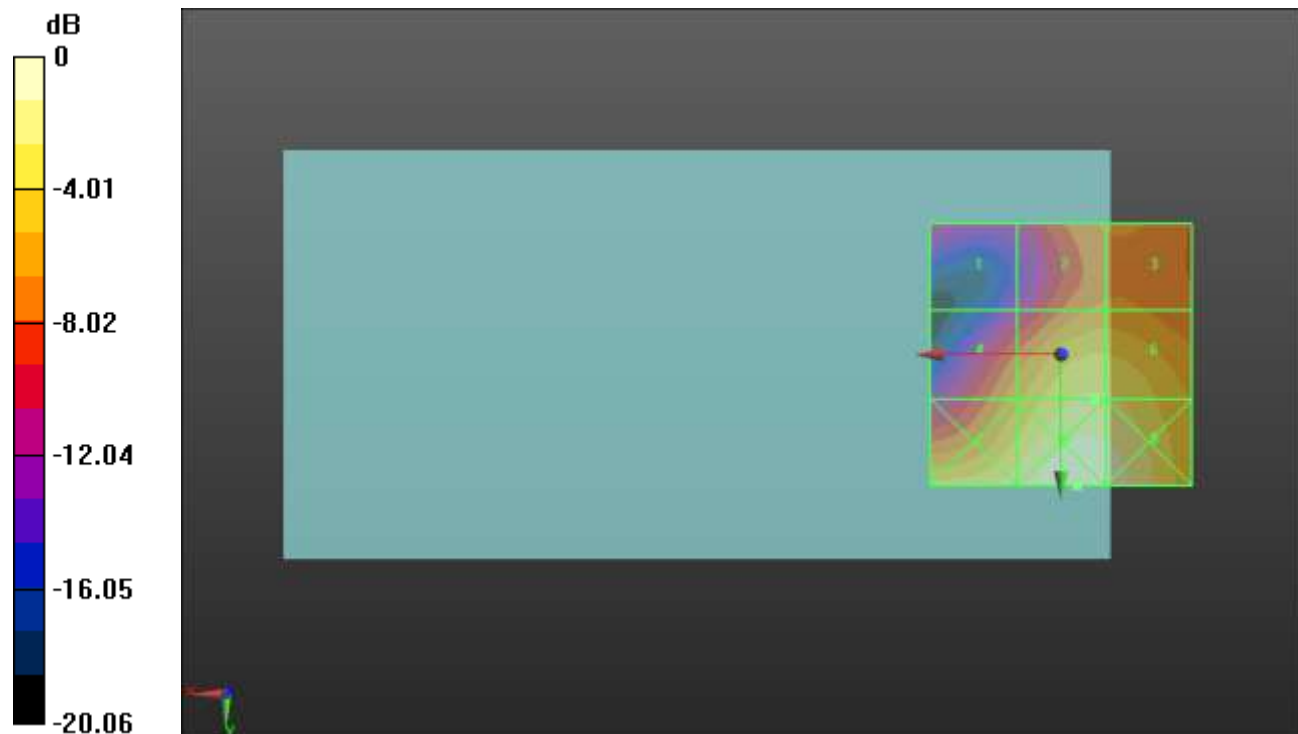
Applied MIF = -1.44 dB

RF audio interference level = 29.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.88 dBV/m	Grid 2 M4 25.34 dBV/m	Grid 3 M4 25.39 dBV/m
Grid 4 M4 25.97 dBV/m	Grid 5 M4 29.21 dBV/m	Grid 6 M4 29.14 dBV/m
Grid 7 M4 29.86 dBV/m	Grid 8 M3 31.61 dBV/m	Grid 9 M3 31.22 dBV/m



0 dB = 38.08 V/m = 31.61 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.98 V/m; Power Drift = 0.03 dB

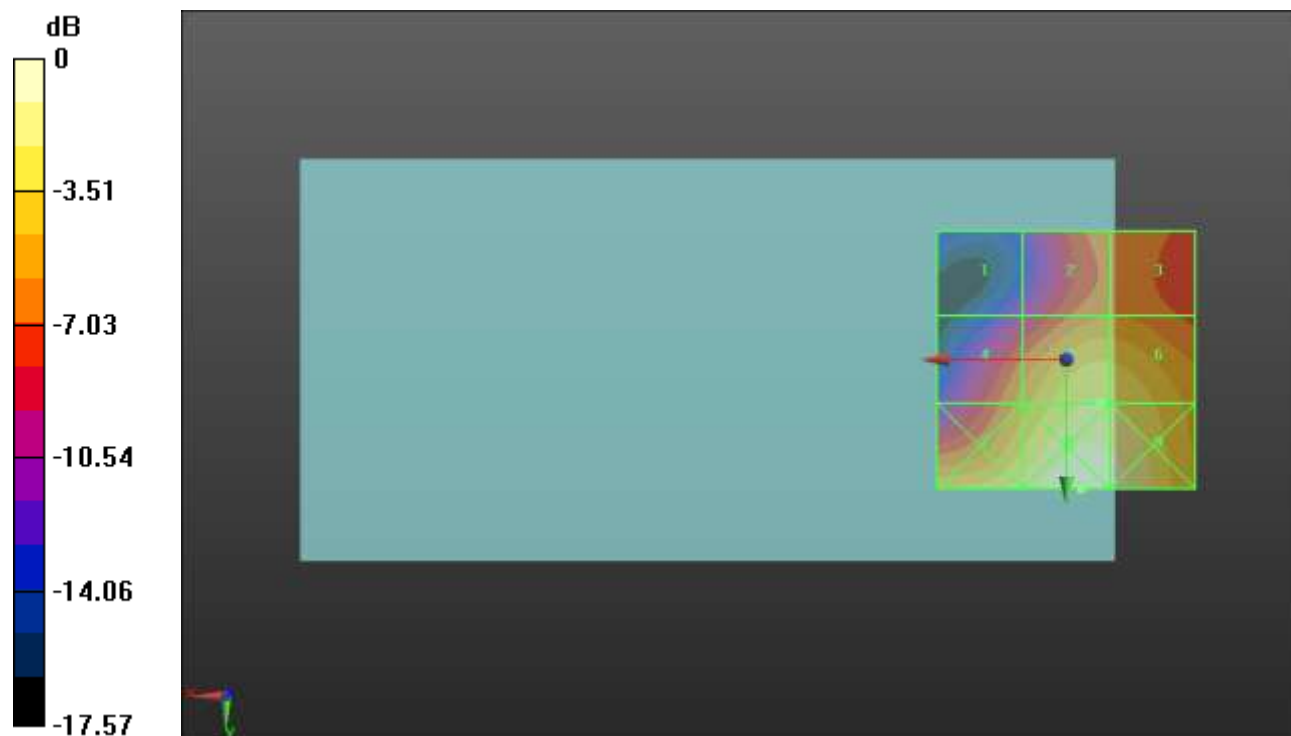
Applied MIF = -1.44 dB

RF audio interference level = 28.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.58 dBV/m	Grid 2 M4 25.16 dBV/m	Grid 3 M4 25.17 dBV/m
Grid 4 M4 25.84 dBV/m	Grid 5 M4 28.79 dBV/m	Grid 6 M4 28.72 dBV/m
Grid 7 M4 29.37 dBV/m	Grid 8 M3 30.98 dBV/m	Grid 9 M3 30.52 dBV/m



0 dB = 35.42 V/m = 30.98 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.29 V/m; Power Drift = 0.02 dB

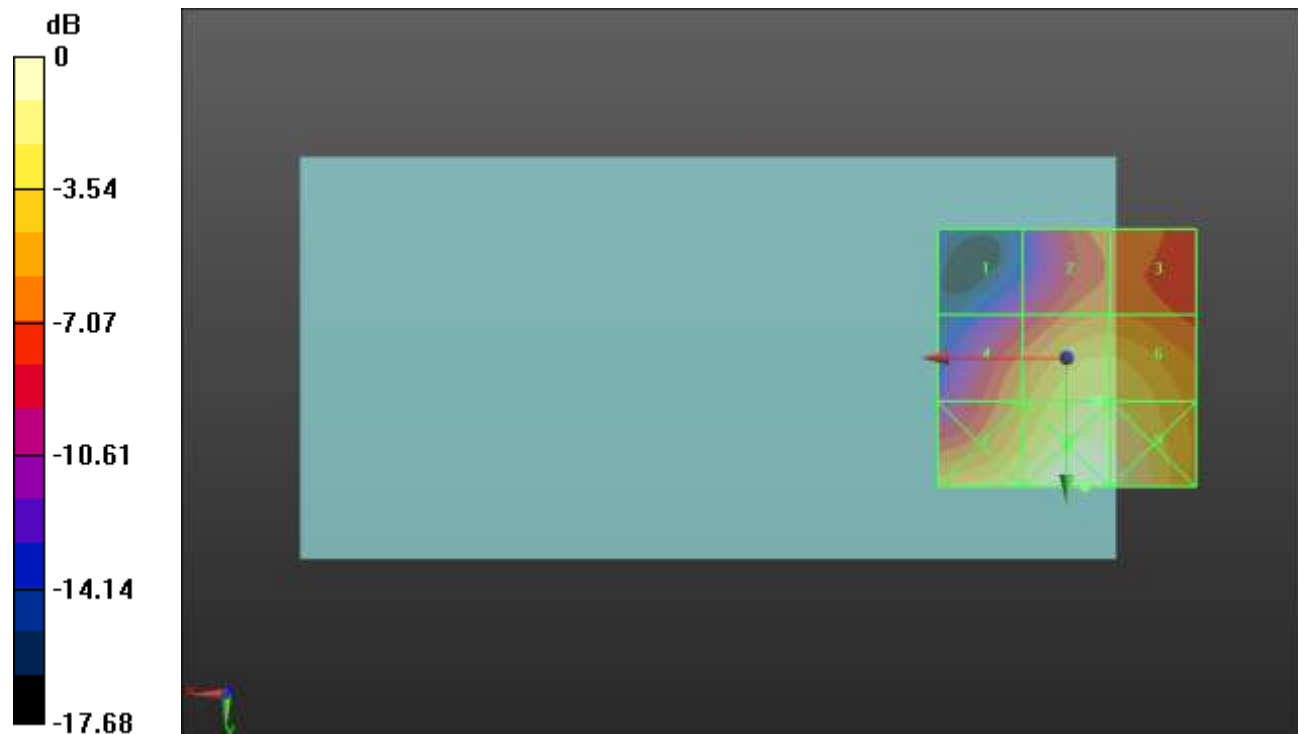
Applied MIF = -1.44 dB

RF audio interference level = 29.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.4 dBV/m	Grid 2 M4 25.41 dBV/m	Grid 3 M4 25.4 dBV/m
Grid 4 M4 26.16 dBV/m	Grid 5 M4 29.05 dBV/m	Grid 6 M4 28.96 dBV/m
Grid 7 M4 29.66 dBV/m	Grid 8 M3 31.23 dBV/m	Grid 9 M3 30.73 dBV/m



0 dB = 36.43 V/m = 31.23 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 63.46 V/m; Power Drift = -0.02 dB

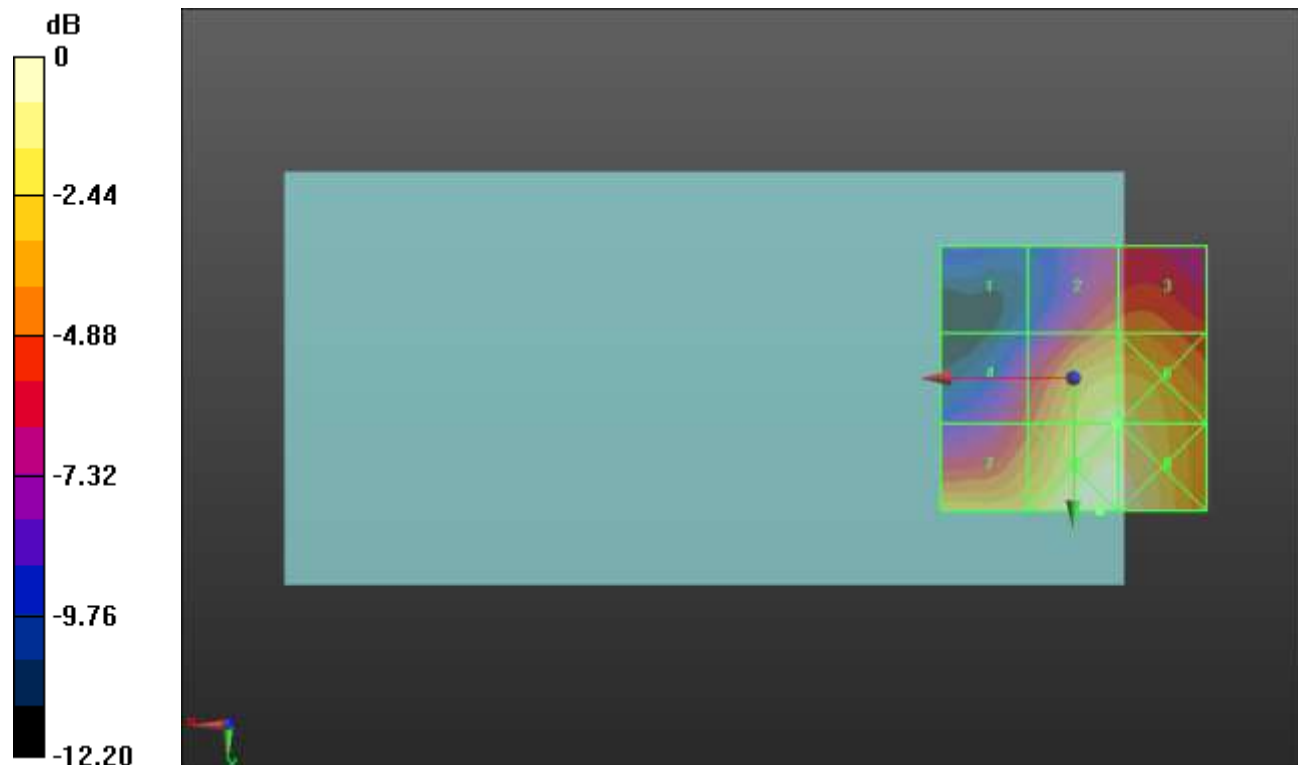
Applied MIF = -2.02 dB

RF audio interference level = 32.02 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.8 dBV/m	Grid 2 M4 29.1 dBV/m	Grid 3 M4 29.26 dBV/m
Grid 4 M4 28.16 dBV/m	Grid 5 M3 32.02 dBV/m	Grid 6 M3 32.01 dBV/m
Grid 7 M3 31.3 dBV/m	Grid 8 M3 33.36 dBV/m	Grid 9 M3 33.23 dBV/m



0 dB = 46.57 V/m = 33.36 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.15 V/m; Power Drift = 0.06 dB

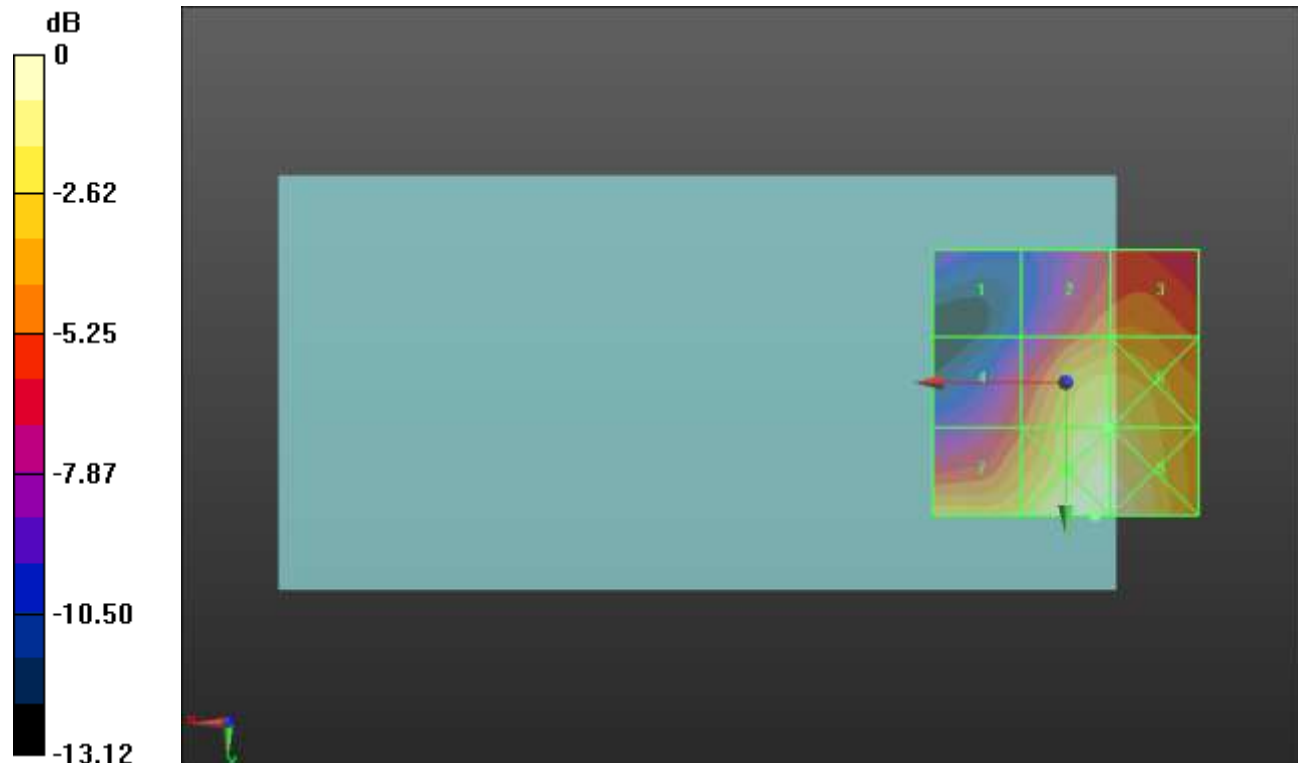
Applied MIF = -2.02 dB

RF audio interference level = 29.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.98 dBV/m	Grid 2 M4 27.19 dBV/m	Grid 3 M4 27.37 dBV/m
Grid 4 M4 25.97 dBV/m	Grid 5 M4 29.88 dBV/m	Grid 6 M4 29.88 dBV/m
Grid 7 M4 29.1 dBV/m	Grid 8 M3 31.35 dBV/m	Grid 9 M3 31.23 dBV/m



0 dB = 36.93 V/m = 31.35 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 11/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 58.83 V/m; Power Drift = 0.15 dB

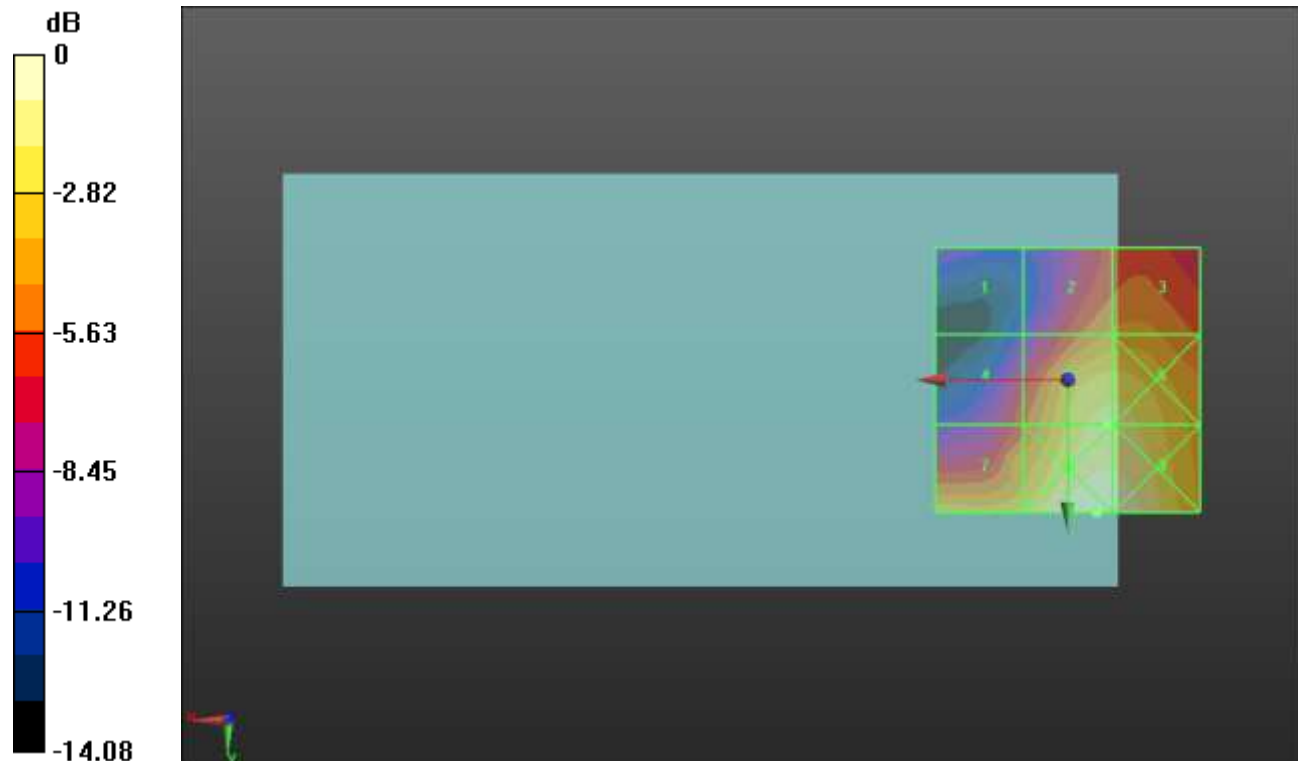
Applied MIF = -2.02 dB

RF audio interference level = 31.31 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 23.92 dBV/m	Grid 2 M4 28.47 dBV/m	Grid 3 M4 28.65 dBV/m
Grid 4 M4 27 dBV/m	Grid 5 M3 31.31 dBV/m	Grid 6 M3 31.29 dBV/m
Grid 7 M3 30.32 dBV/m	Grid 8 M3 32.87 dBV/m	Grid 9 M3 32.74 dBV/m



0 dB = 44.01 V/m = 32.87 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 59.76 V/m; Power Drift = 0.13 dB

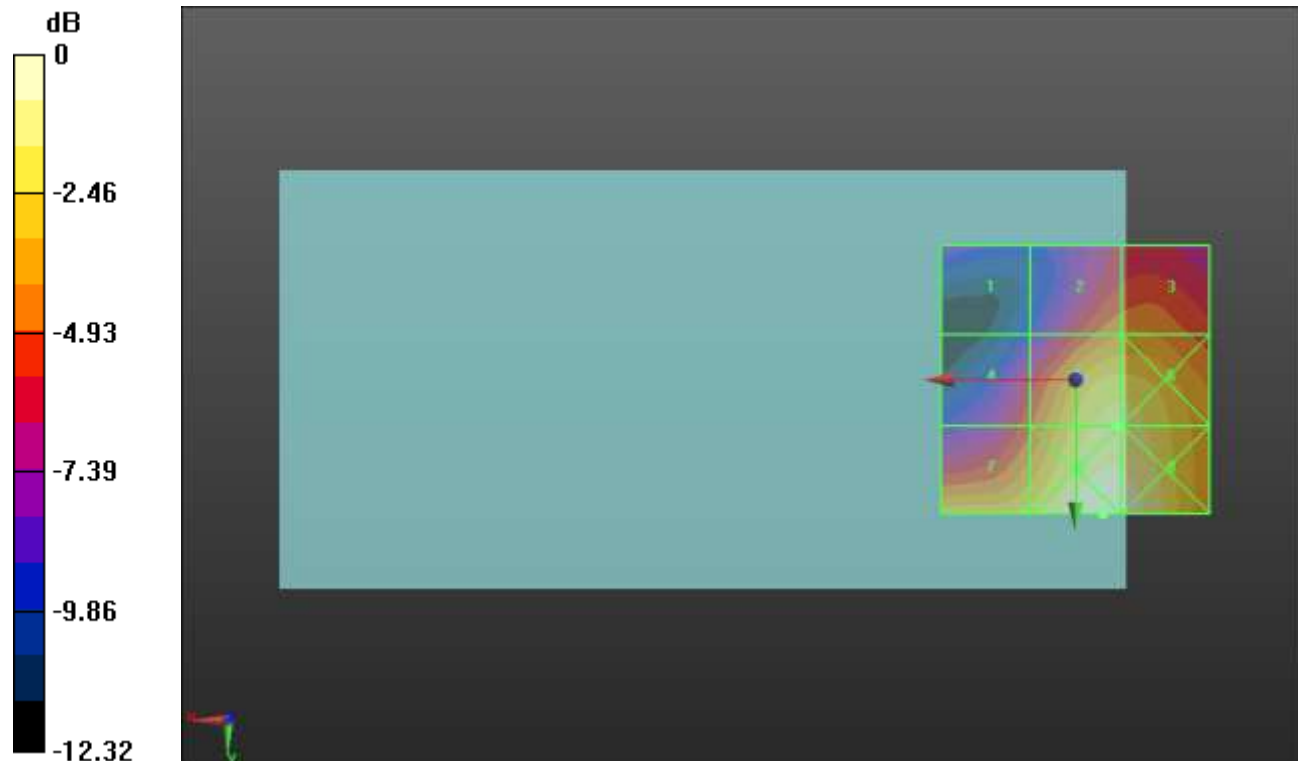
Applied MIF = 0.12 dB

RF audio interference level = 33.61 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.91 dBV/m	Grid 2 M3 30.88 dBV/m	Grid 3 M3 31.03 dBV/m
Grid 4 M4 29.91 dBV/m	Grid 5 M3 33.61 dBV/m	Grid 6 M3 33.61 dBV/m
Grid 7 M3 32.93 dBV/m	Grid 8 M3 34.96 dBV/m	Grid 9 M3 34.81 dBV/m



0 dB = 55.96 V/m = 34.96 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 47.81 V/m; Power Drift = 0.31 dB

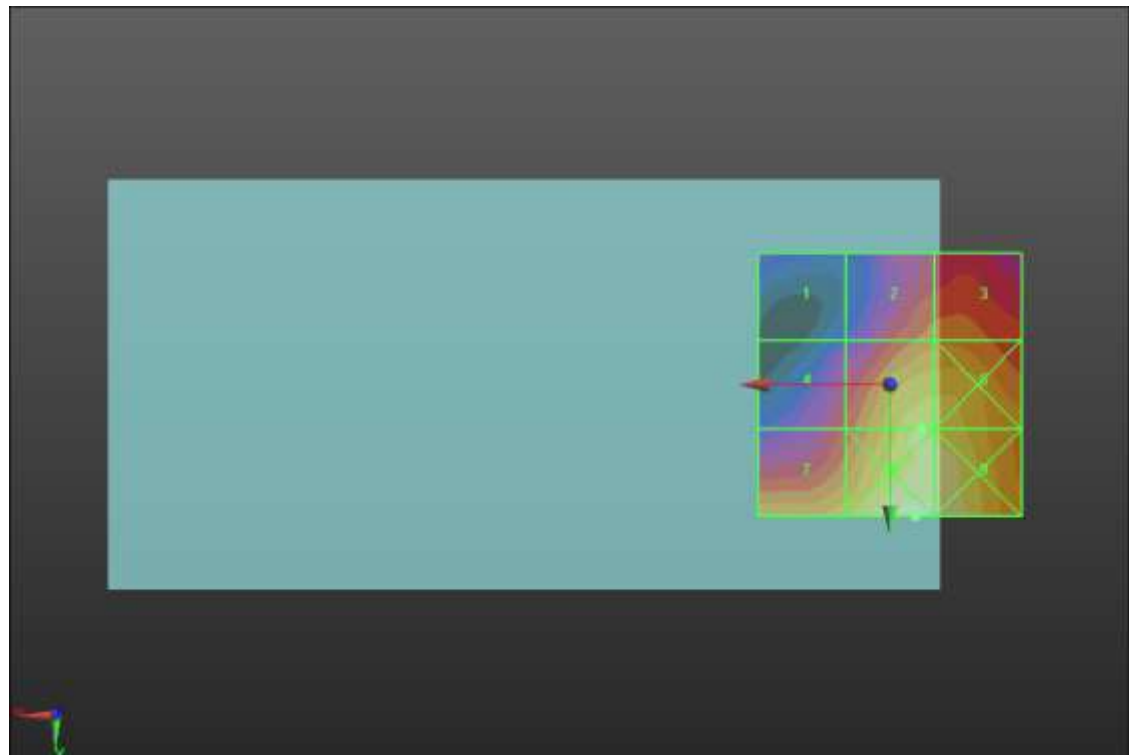
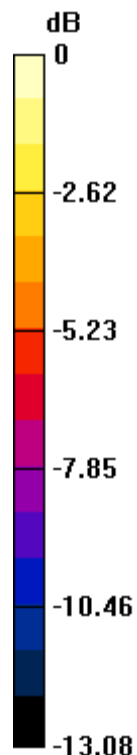
Applied MIF = 0.12 dB

RF audio interference level = 32.05 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.83 dBV/m	Grid 2 M4 29.16 dBV/m	Grid 3 M4 29.31 dBV/m
Grid 4 M4 27.96 dBV/m	Grid 5 M3 32.05 dBV/m	Grid 6 M3 31.81 dBV/m
Grid 7 M3 31.04 dBV/m	Grid 8 M3 33.77 dBV/m	Grid 9 M3 33.14 dBV/m



0 dB = 48.79 V/m = 33.77 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 53.68 V/m; Power Drift = -0.02 dB

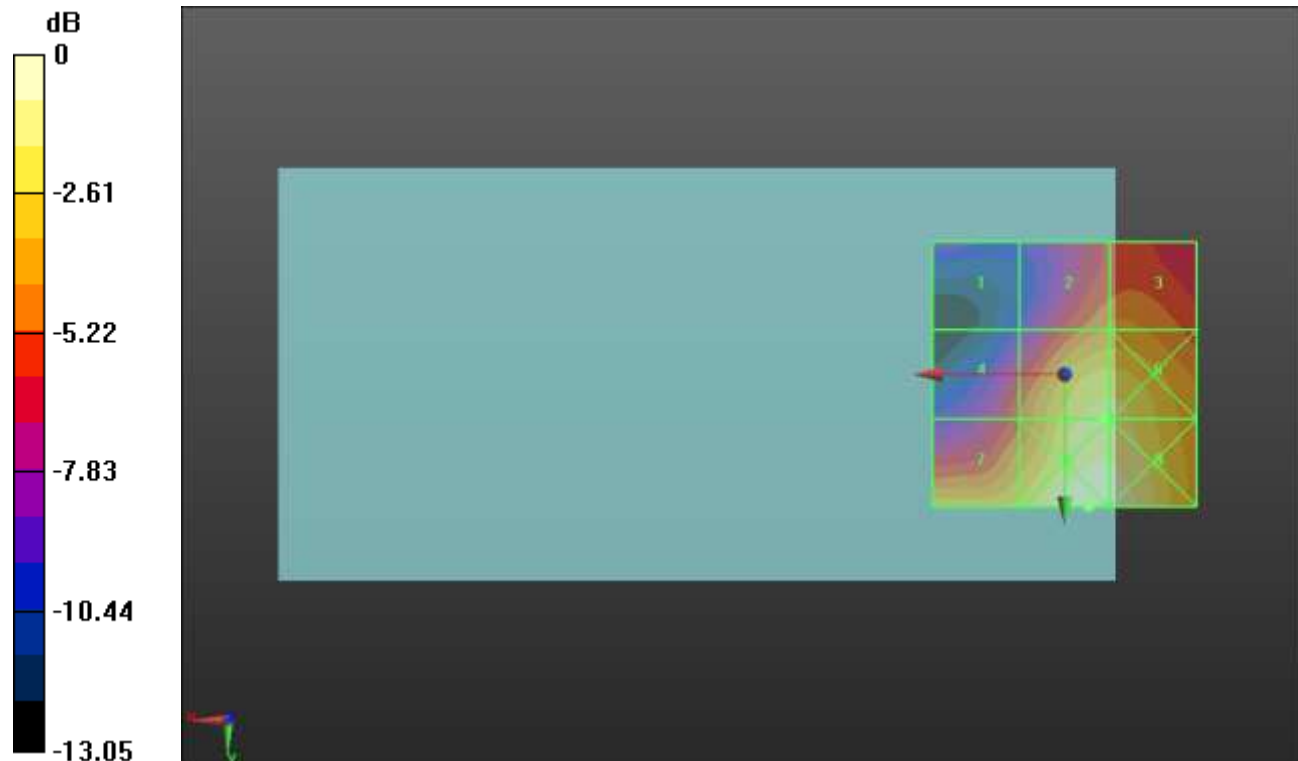
Applied MIF = 0.12 dB

RF audio interference level = 32.47 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.12 dBV/m	Grid 2 M4 29.76 dBV/m	Grid 3 M4 29.9 dBV/m
Grid 4 M4 28.61 dBV/m	Grid 5 M3 32.47 dBV/m	Grid 6 M3 32.44 dBV/m
Grid 7 M3 31.66 dBV/m	Grid 8 M3 33.9 dBV/m	Grid 9 M3 33.76 dBV/m



0 dB = 49.56 V/m = 33.90 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.543 V/m; Power Drift = -0.19 dB

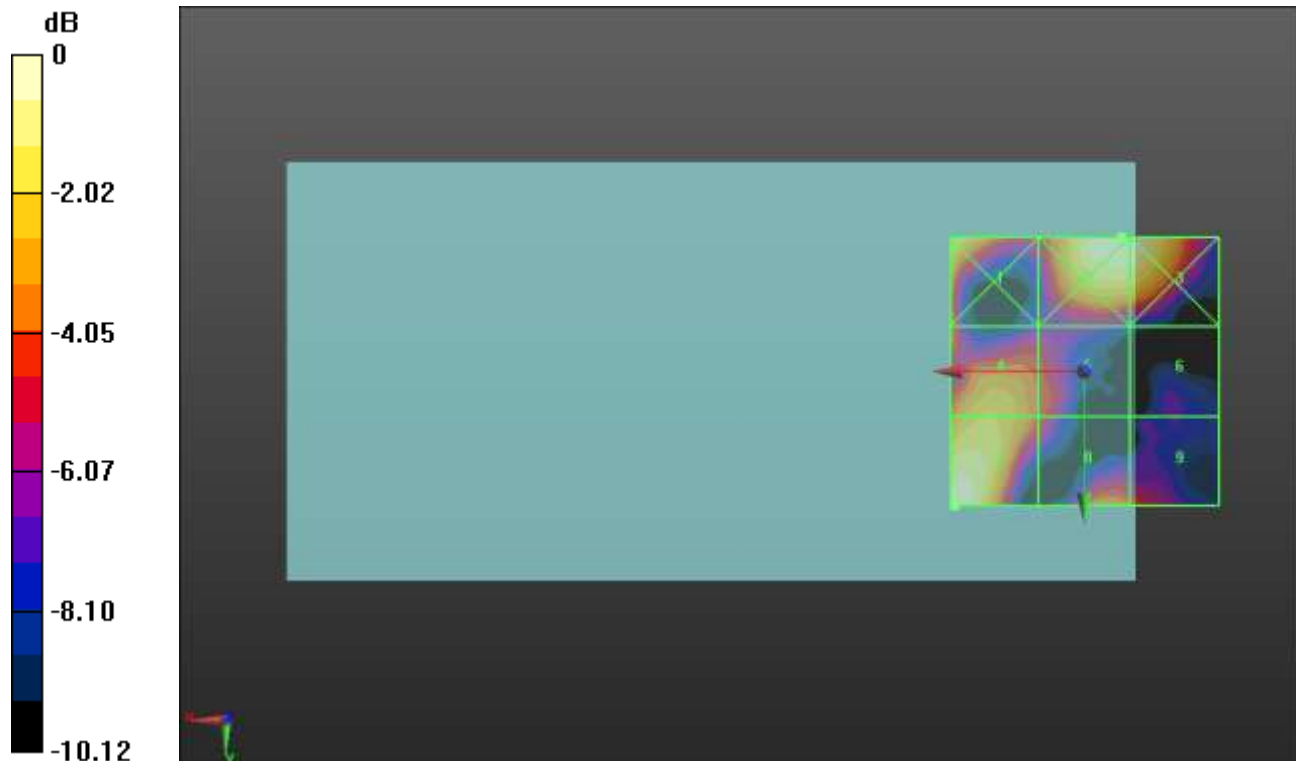
Applied MIF = -3.15 dB

RF audio interference level = 16.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.62 dBV/m	Grid 2 M4 16.33 dBV/m	Grid 3 M4 16.27 dBV/m
Grid 4 M4 14.43 dBV/m	Grid 5 M4 12.29 dBV/m	Grid 6 M4 9.41 dBV/m
Grid 7 M4 16.21 dBV/m	Grid 8 M4 13.54 dBV/m	Grid 9 M4 12.67 dBV/m



0 dB = 6.555 V/m = 16.33 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.521 V/m; Power Drift = -0.06 dB

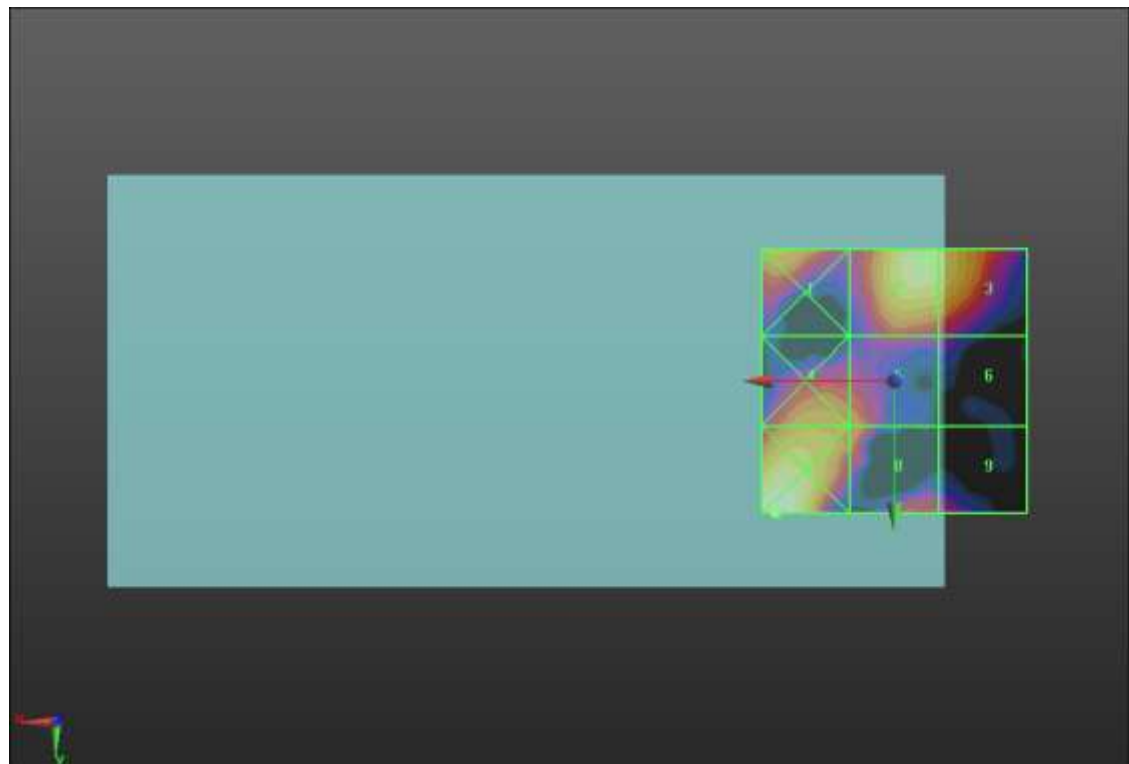
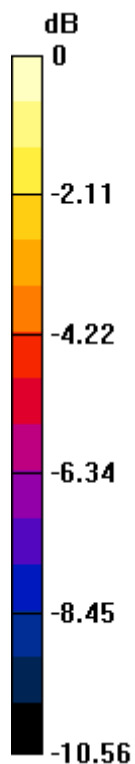
Applied MIF = -3.15 dB

RF audio interference level = 16.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.46 dBV/m	Grid 2 M4 16.13 dBV/m	Grid 3 M4 15.8 dBV/m
Grid 4 M4 14.01 dBV/m	Grid 5 M4 13.39 dBV/m	Grid 6 M4 10.97 dBV/m
Grid 7 M4 16.91 dBV/m	Grid 8 M4 13.38 dBV/m	Grid 9 M4 11.67 dBV/m



0 dB = 7.005 V/m = 16.91 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.280 V/m; Power Drift = -0.00 dB

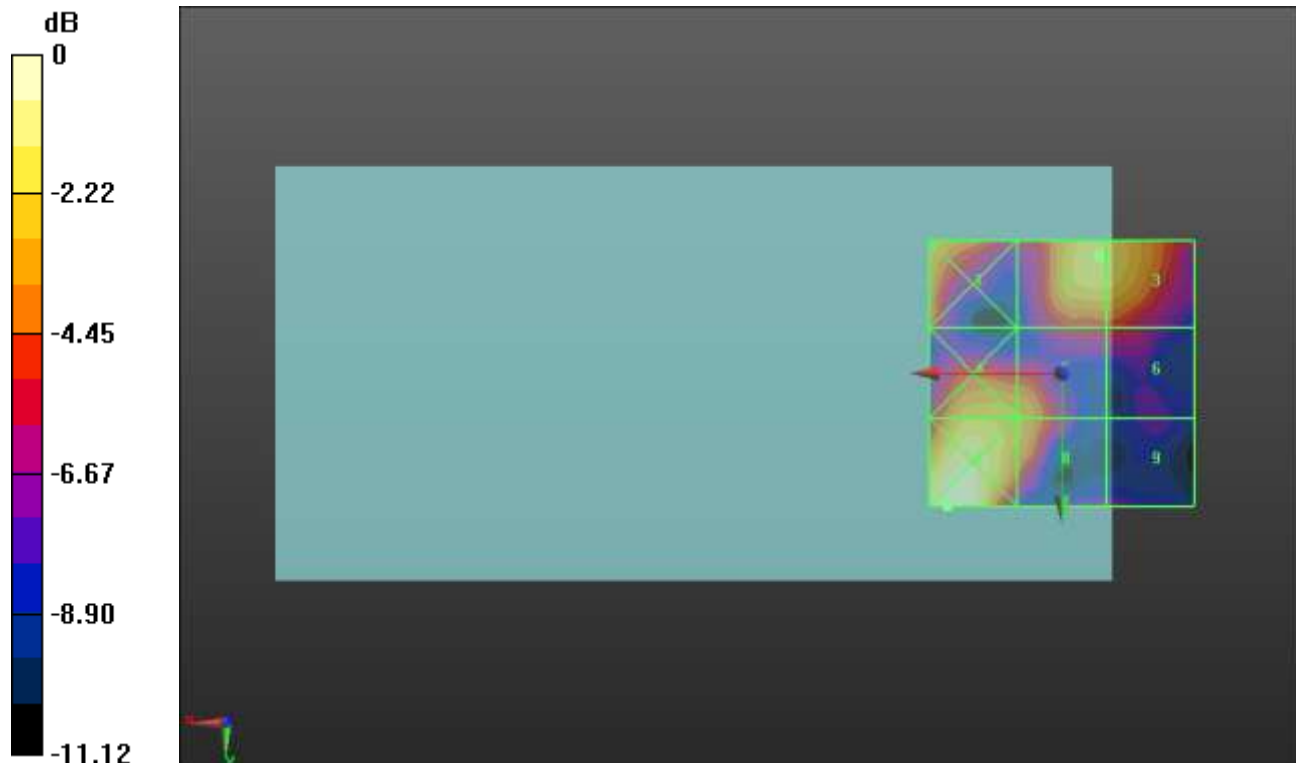
Applied MIF = -3.15 dB

RF audio interference level = 15.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.21 dBV/m	Grid 2 M4 15.22 dBV/m	Grid 3 M4 15.15 dBV/m
Grid 4 M4 14.45 dBV/m	Grid 5 M4 13.77 dBV/m	Grid 6 M4 11.53 dBV/m
Grid 7 M4 16.64 dBV/m	Grid 8 M4 13.84 dBV/m	Grid 9 M4 9.99 dBV/m



0 dB = 6.788 V/m = 16.63 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.876 V/m; Power Drift = 0.07 dB

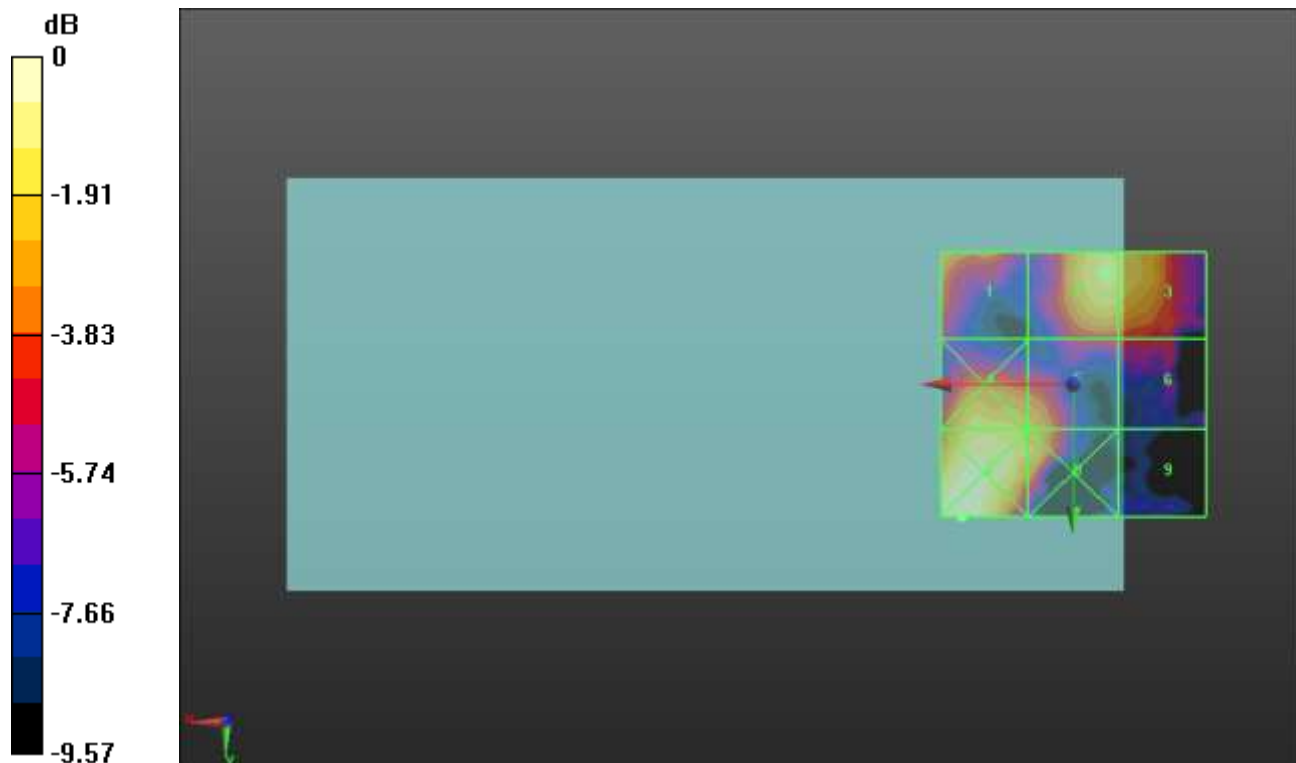
Applied MIF = -3.15 dB

RF audio interference level = 14.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.67 dBV/m	Grid 2 M4 14.9 dBV/m	Grid 3 M4 14.74 dBV/m
Grid 4 M4 14.57 dBV/m	Grid 5 M4 13.83 dBV/m	Grid 6 M4 11.45 dBV/m
Grid 7 M4 15.99 dBV/m	Grid 8 M4 14.22 dBV/m	Grid 9 M4 9.41 dBV/m



0 dB = 6.300 V/m = 15.99 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.717 V/m; Power Drift = -0.07 dB

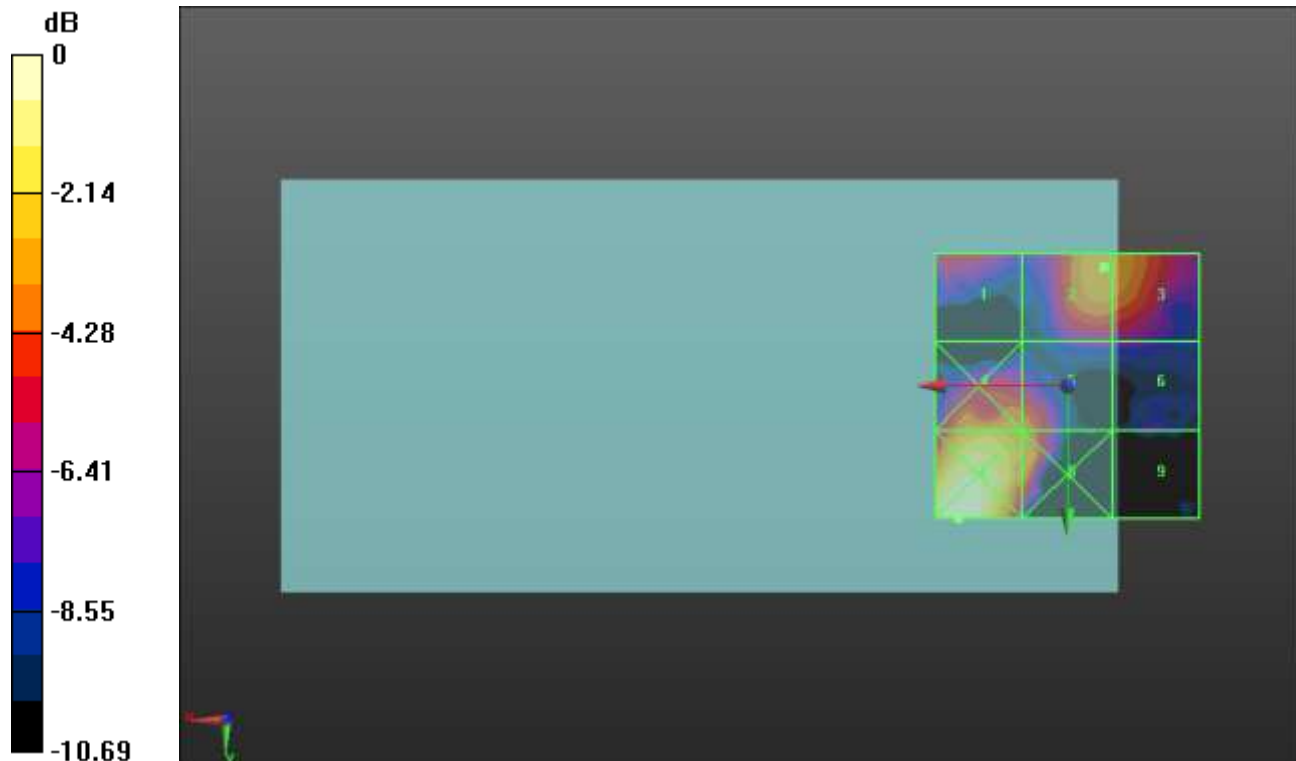
Applied MIF = -3.15 dB

RF audio interference level = 14.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.98 dBV/m	Grid 2 M4 14.86 dBV/m	Grid 3 M4 14.81 dBV/m
Grid 4 M4 15.12 dBV/m	Grid 5 M4 14.19 dBV/m	Grid 6 M4 11.05 dBV/m
Grid 7 M4 17.75 dBV/m	Grid 8 M4 14.93 dBV/m	Grid 9 M4 10.65 dBV/m



0 dB = 7.719 V/m = 17.75 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.678 V/m; Power Drift = 0.13 dB

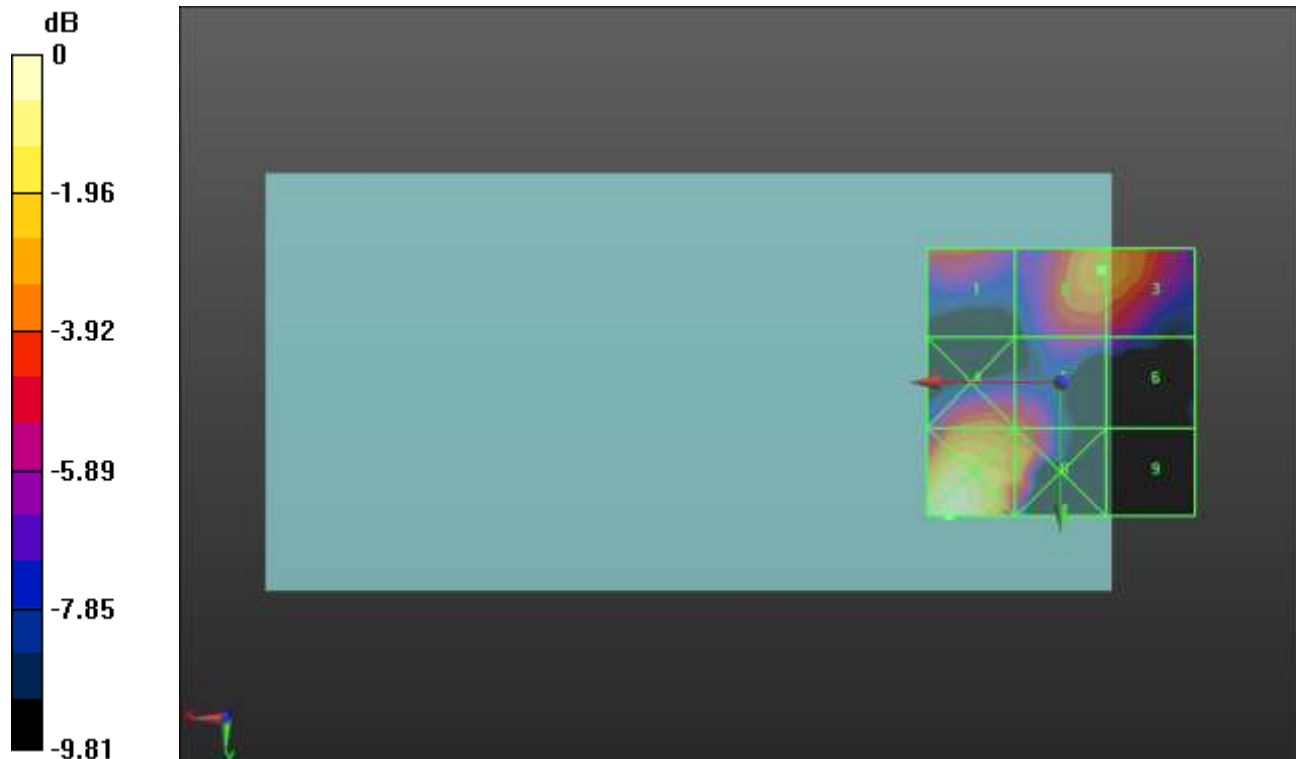
Applied MIF = -3.15 dB

RF audio interference level = 15.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.71 dBV/m	Grid 2 M4 15.87 dBV/m	Grid 3 M4 15.86 dBV/m
Grid 4 M4 15.24 dBV/m	Grid 5 M4 14.64 dBV/m	Grid 6 M4 12.78 dBV/m
Grid 7 M4 18.65 dBV/m	Grid 8 M4 15.79 dBV/m	Grid 9 M4 9.49 dBV/m



0 dB = 8.559 V/m = 18.65 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.799 V/m; Power Drift = -0.12 dB

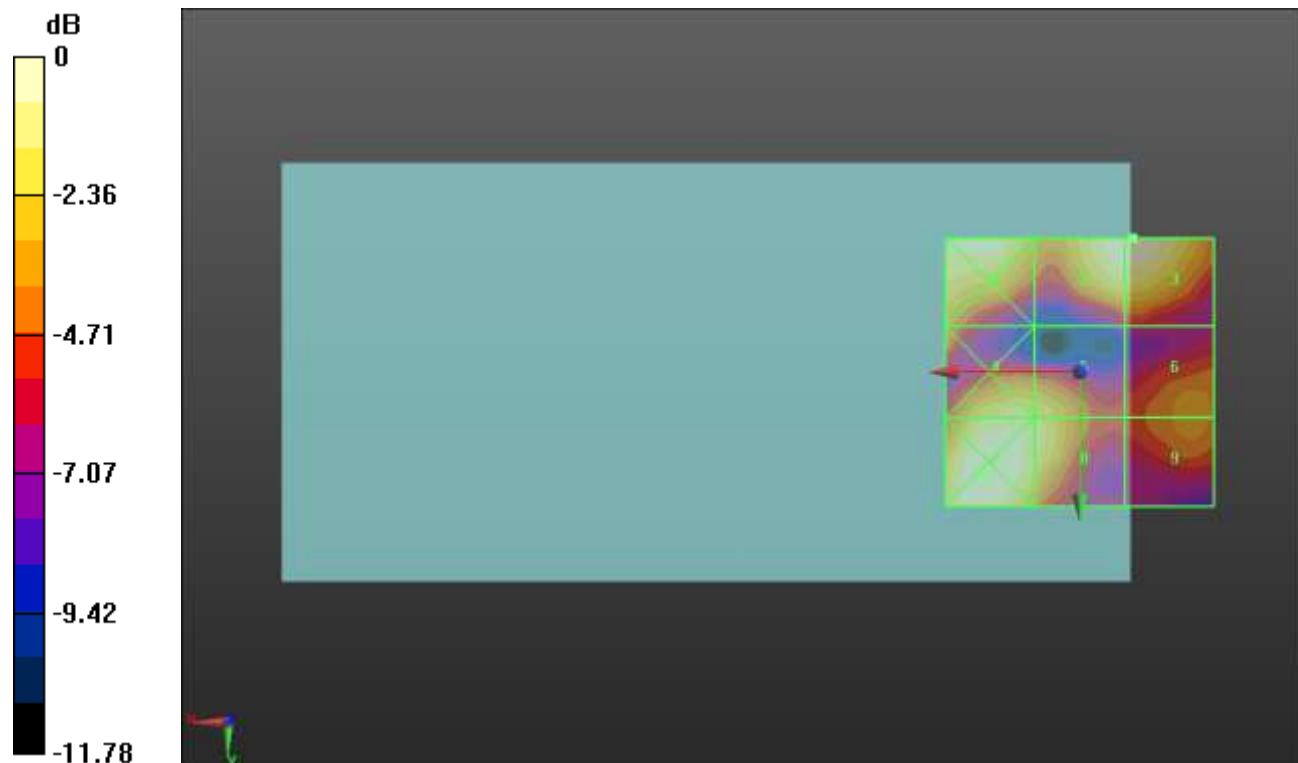
Applied MIF = -3.15 dB

RF audio interference level = 18.44 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.27 dBV/m	Grid 2 M4 18.4 dBV/m	Grid 3 M4 18.44 dBV/m
Grid 4 M4 17.43 dBV/m	Grid 5 M4 17.13 dBV/m	Grid 6 M4 14.97 dBV/m
Grid 7 M4 18.52 dBV/m	Grid 8 M4 17.48 dBV/m	Grid 9 M4 14.93 dBV/m



0 dB = 8.434 V/m = 18.52 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.493 V/m; Power Drift = 0.17 dB

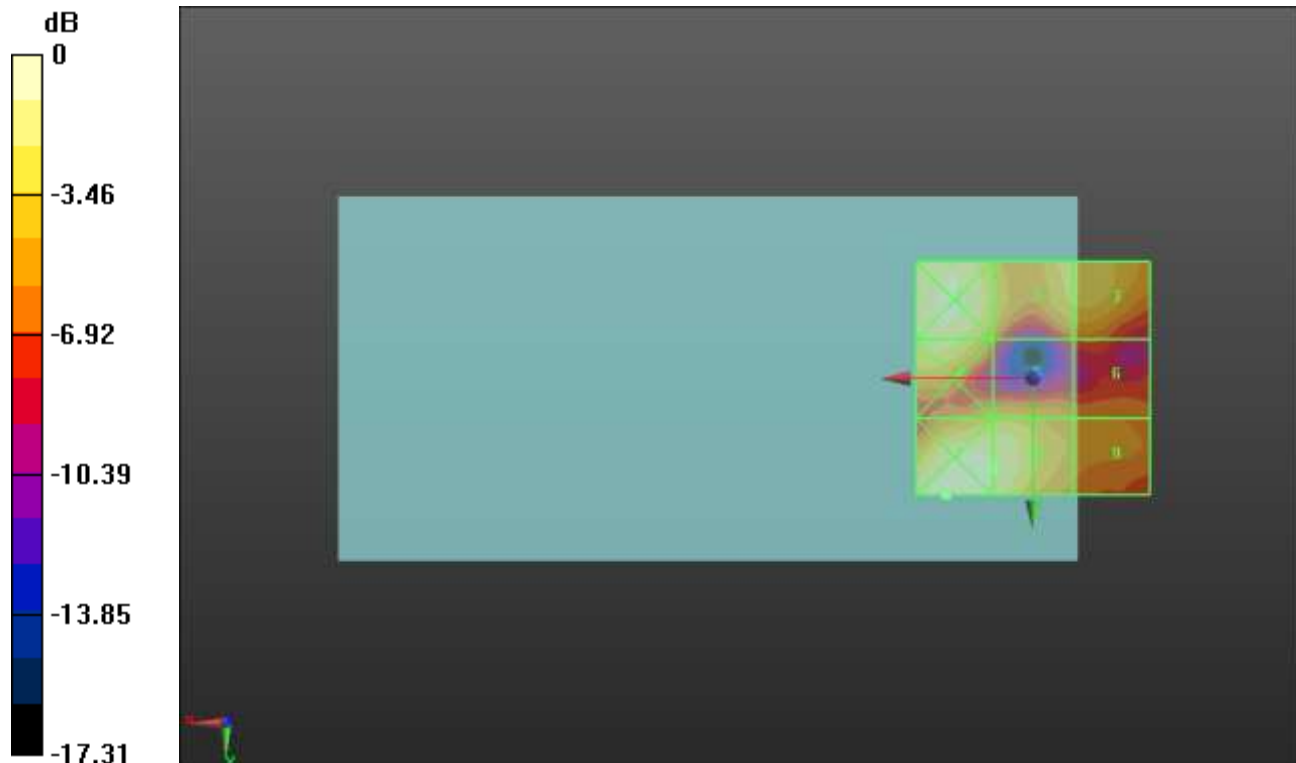
Applied MIF = -3.15 dB

RF audio interference level = 17.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.61 dBV/m	Grid 2 M4 15.84 dBV/m	Grid 3 M4 16.17 dBV/m
Grid 4 M4 16.93 dBV/m	Grid 5 M4 14.65 dBV/m	Grid 6 M4 13.06 dBV/m
Grid 7 M4 18.52 dBV/m	Grid 8 M4 17.58 dBV/m	Grid 9 M4 13.85 dBV/m



0 dB = 8.436 V/m = 18.52 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.860 V/m; Power Drift = 0.07 dB

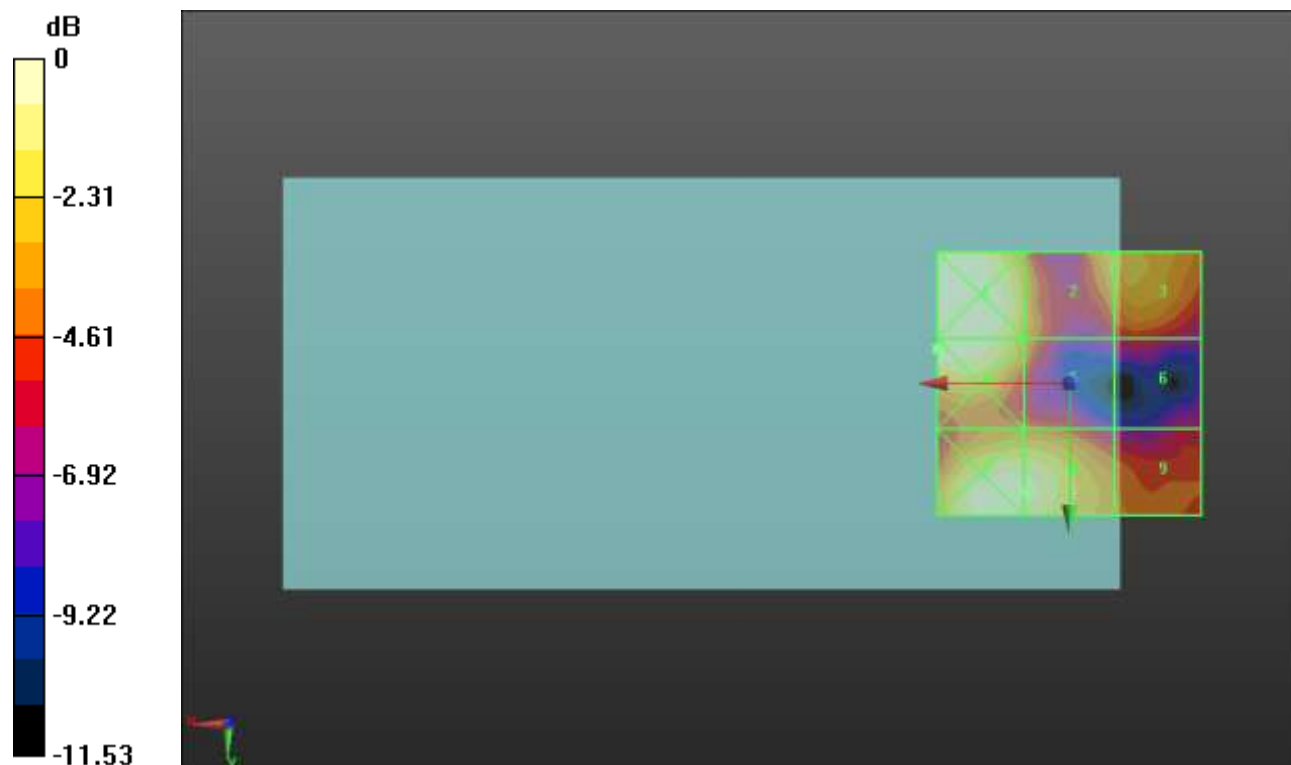
Applied MIF = -3.15 dB

RF audio interference level = 16.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.59 dBV/m	Grid 2 M4 14.29 dBV/m	Grid 3 M4 14.74 dBV/m
Grid 4 M4 16.7 dBV/m	Grid 5 M4 13.63 dBV/m	Grid 6 M4 11.42 dBV/m
Grid 7 M4 16.39 dBV/m	Grid 8 M4 16.17 dBV/m	Grid 9 M4 13.16 dBV/m



0 dB = 6.843 V/m = 16.70 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.952 V/m; Power Drift = 0.01 dB

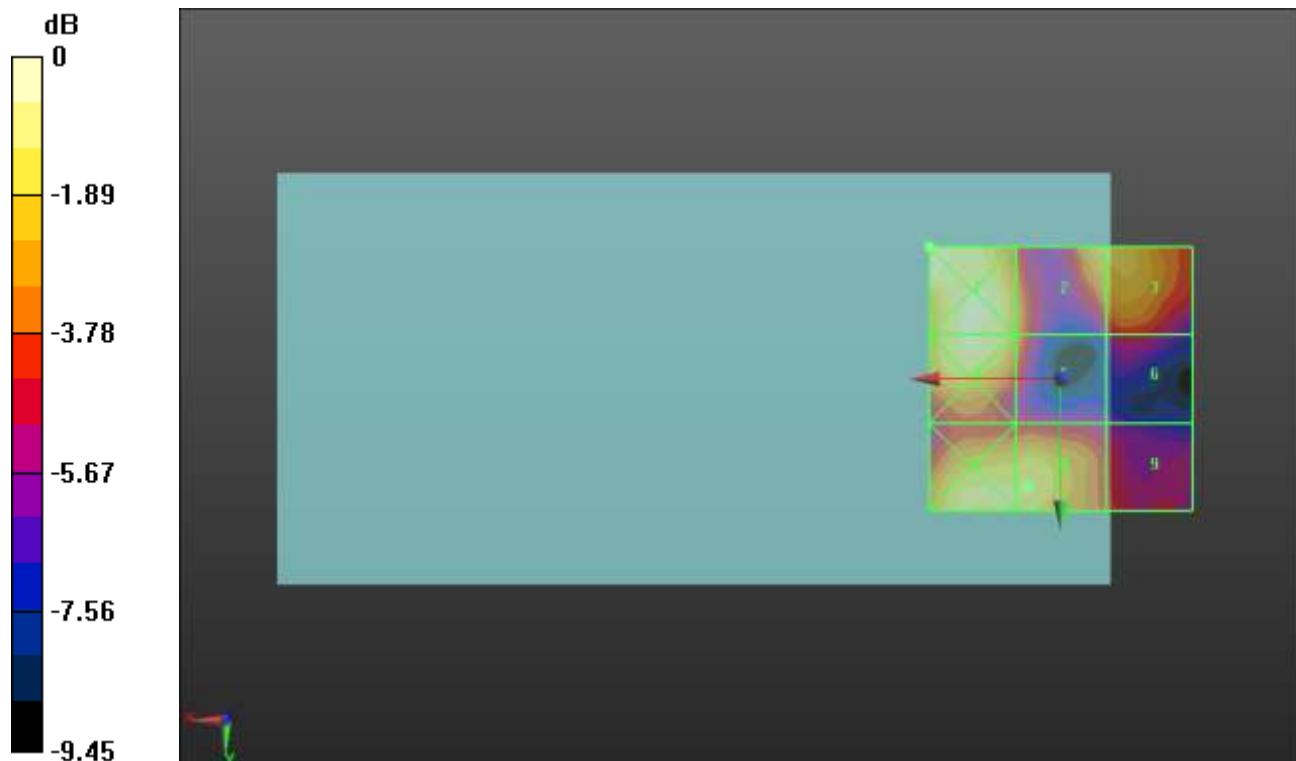
Applied MIF = -3.15 dB

RF audio interference level = 14.89 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.04 dBV/m	Grid 2 M4 14.42 dBV/m	Grid 3 M4 14.61 dBV/m
Grid 4 M4 15.5 dBV/m	Grid 5 M4 13.31 dBV/m	Grid 6 M4 11.75 dBV/m
Grid 7 M4 14.92 dBV/m	Grid 8 M4 14.89 dBV/m	Grid 9 M4 12.05 dBV/m



0 dB = 6.336 V/m = 16.04 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.197 V/m; Power Drift = 0.13 dB

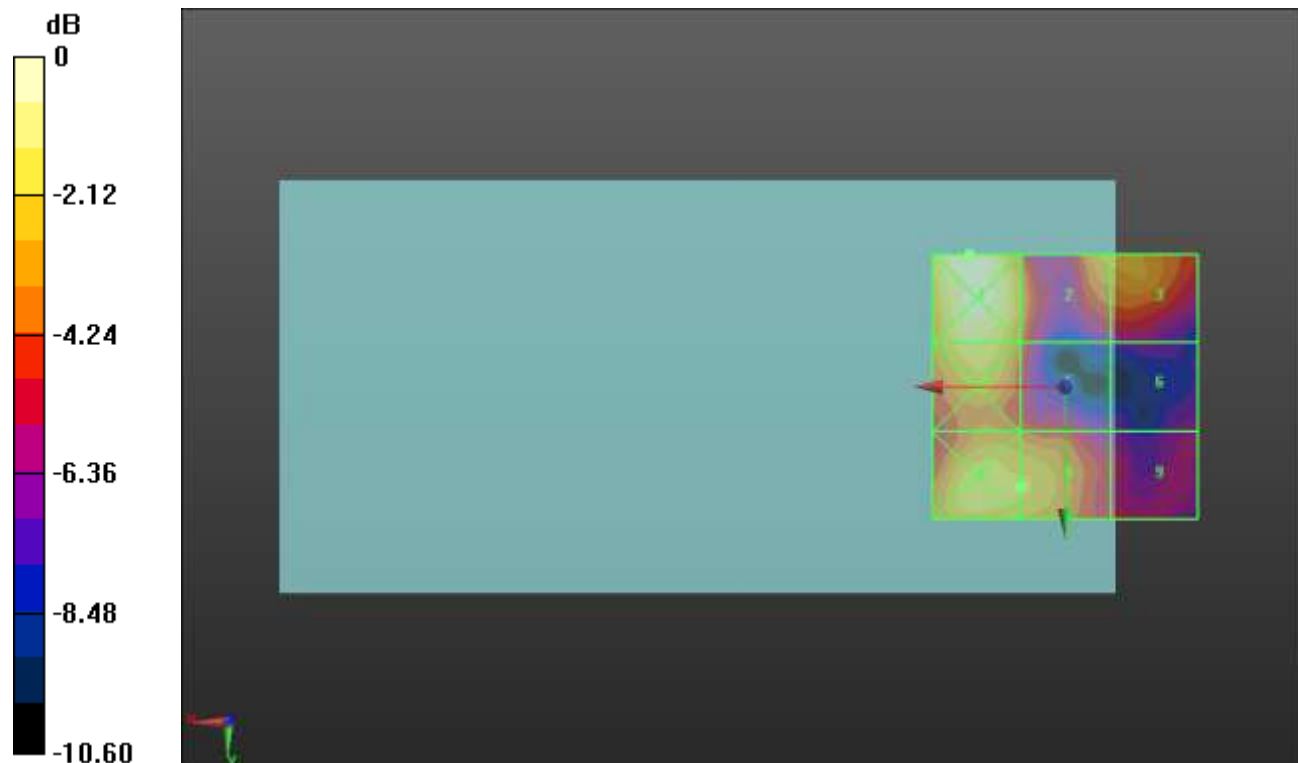
Applied MIF = -3.15 dB

RF audio interference level = 14.10 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.09 dBV/m	Grid 2 M4 13.59 dBV/m	Grid 3 M4 13.68 dBV/m
Grid 4 M4 14.8 dBV/m	Grid 5 M4 12.13 dBV/m	Grid 6 M4 9.75 dBV/m
Grid 7 M4 14.45 dBV/m	Grid 8 M4 14.1 dBV/m	Grid 9 M4 10.99 dBV/m



0 dB = 6.375 V/m = 16.09 dBV/m

HAC-RF Emission ANT 5

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.507 V/m; Power Drift = 0.18 dB

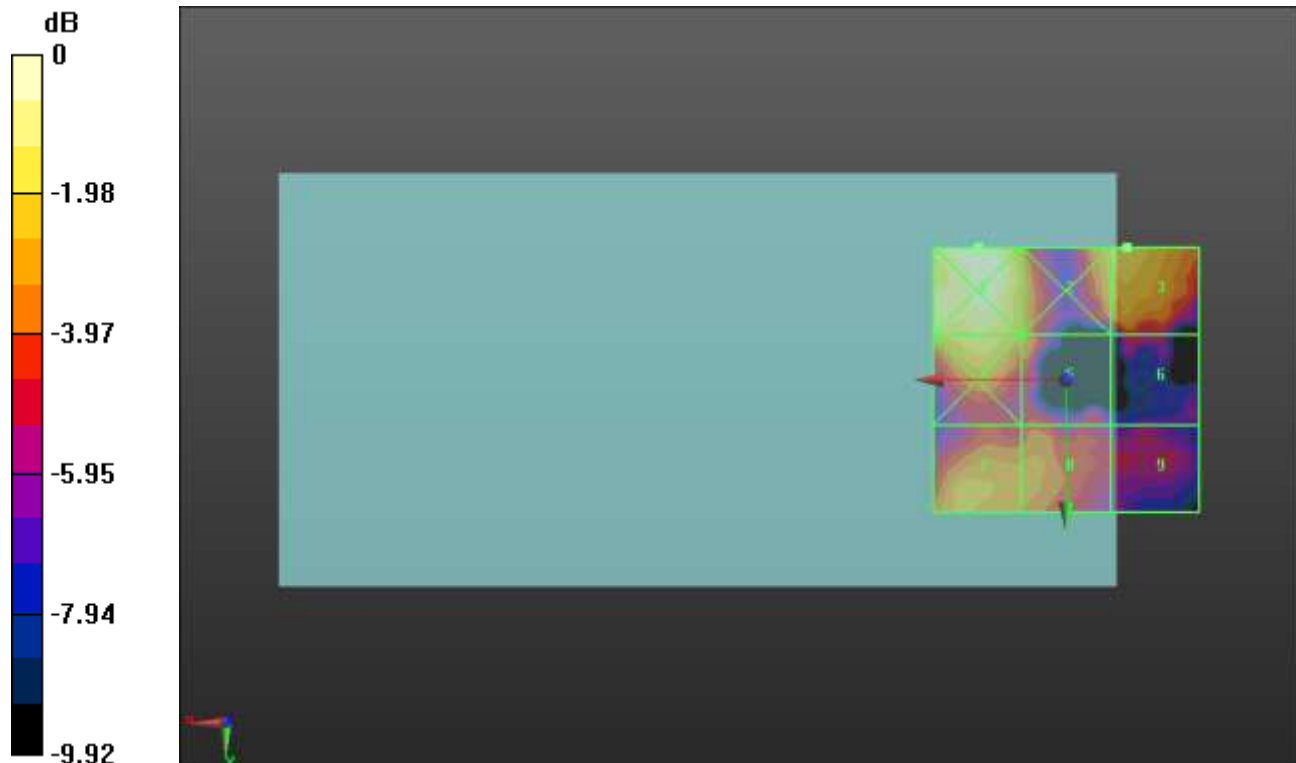
Applied MIF = -3.15 dB

RF audio interference level = 13.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.96 dBV/m	Grid 2 M4 13.05 dBV/m	Grid 3 M4 13.48 dBV/m
Grid 4 M4 13.6 dBV/m	Grid 5 M4 12.07 dBV/m	Grid 6 M4 10.51 dBV/m
Grid 7 M4 12.66 dBV/m	Grid 8 M4 11.94 dBV/m	Grid 9 M4 9.97 dBV/m



0 dB = 5.595 V/m = 14.96 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.60 V/m; Power Drift = -0.02 dB

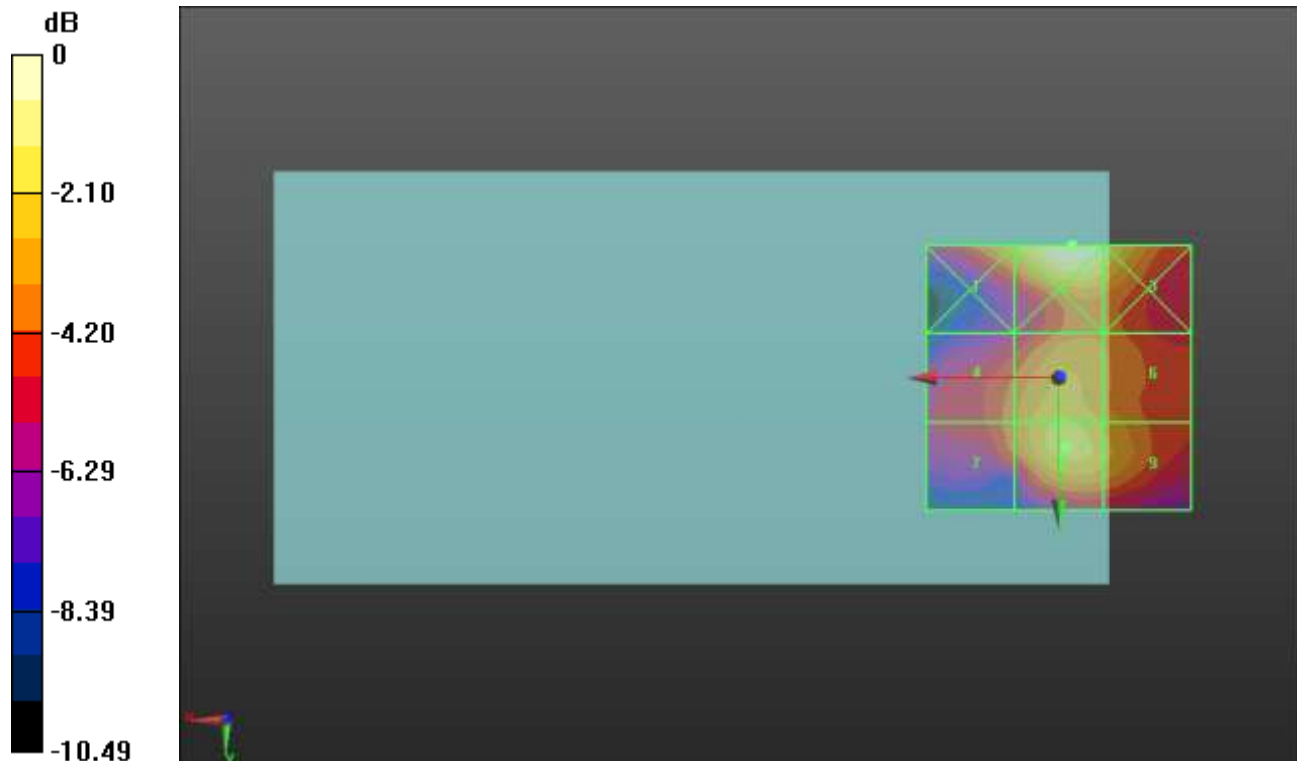
Applied MIF = -3.15 dB

RF audio interference level = 25.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.12 dBV/m	Grid 2 M4 27.22 dBV/m	Grid 3 M4 26.39 dBV/m
Grid 4 M4 23.61 dBV/m	Grid 5 M4 25.28 dBV/m	Grid 6 M4 24.32 dBV/m
Grid 7 M4 23.61 dBV/m	Grid 8 M4 25.52 dBV/m	Grid 9 M4 24.75 dBV/m



0 dB = 22.95 V/m = 27.22 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.26 V/m; Power Drift = -0.10 dB

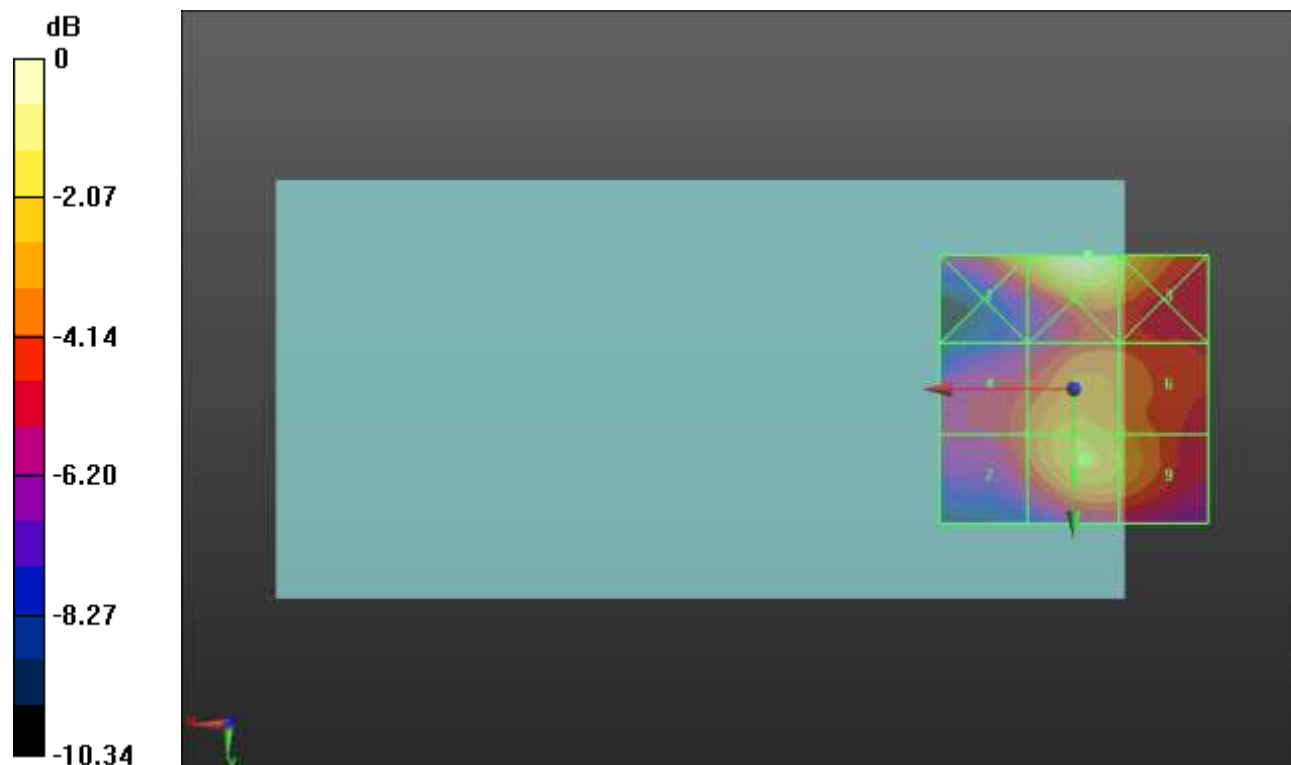
Applied MIF = -3.15 dB

RF audio interference level = 25.53 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.19 dBV/m	Grid 2 M4 27.42 dBV/m	Grid 3 M4 26.29 dBV/m
Grid 4 M4 23.5 dBV/m	Grid 5 M4 25.27 dBV/m	Grid 6 M4 24.4 dBV/m
Grid 7 M4 23.5 dBV/m	Grid 8 M4 25.53 dBV/m	Grid 9 M4 24.81 dBV/m



0 dB = 23.50 V/m = 27.42 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.64 V/m; Power Drift = -0.05 dB

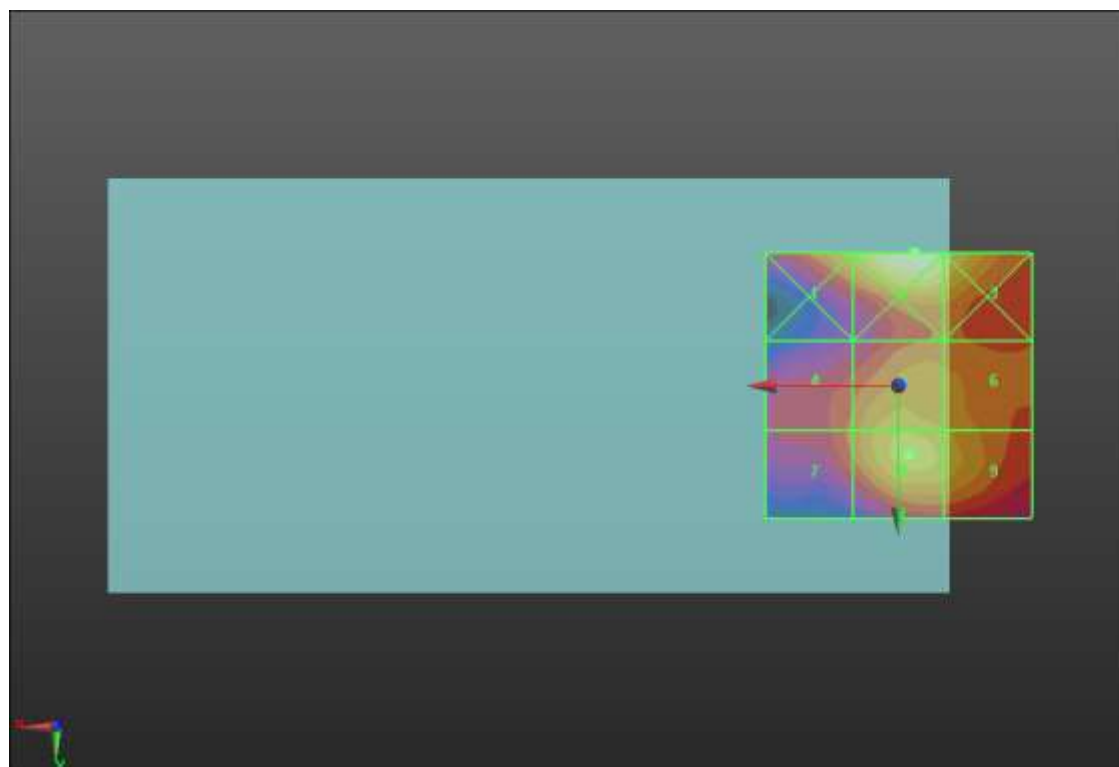
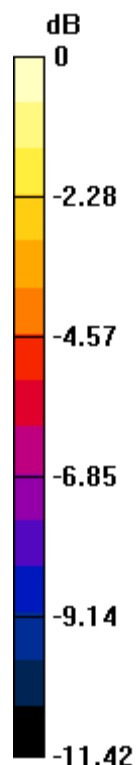
Applied MIF = -3.15 dB

RF audio interference level = 25.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.13 dBV/m	Grid 2 M4 27.41 dBV/m	Grid 3 M4 26.57 dBV/m
Grid 4 M4 23.22 dBV/m	Grid 5 M4 25.14 dBV/m	Grid 6 M4 24.5 dBV/m
Grid 7 M4 23.23 dBV/m	Grid 8 M4 25.52 dBV/m	Grid 9 M4 24.94 dBV/m



0 dB = 23.46 V/m = 27.41 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.19 V/m; Power Drift = -0.04 dB

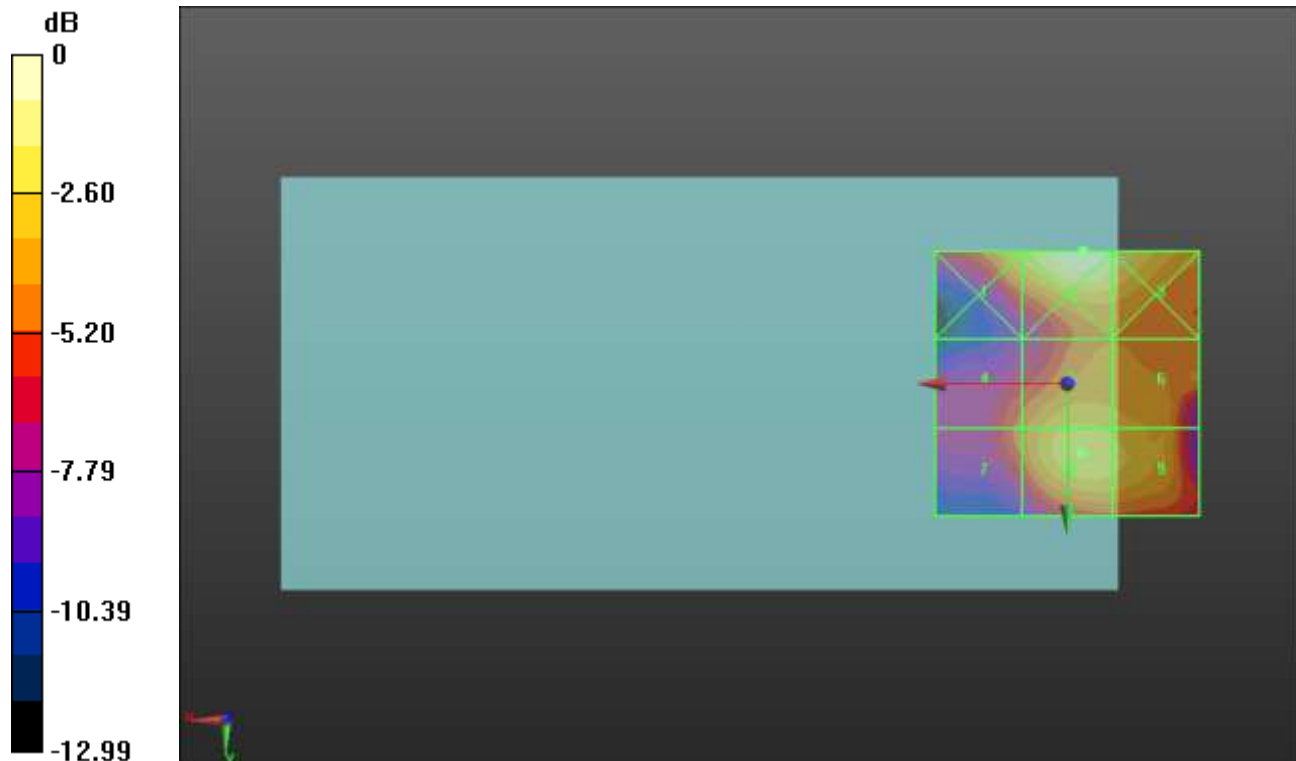
Applied MIF = -3.15 dB

RF audio interference level = 26.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.46 dBV/m	Grid 2 M4 28.5 dBV/m	Grid 3 M4 27.81 dBV/m
Grid 4 M4 23.89 dBV/m	Grid 5 M4 26.2 dBV/m	Grid 6 M4 25.75 dBV/m
Grid 7 M4 23.96 dBV/m	Grid 8 M4 26.69 dBV/m	Grid 9 M4 26.28 dBV/m



0 dB = 26.61 V/m = 28.50 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.26 V/m; Power Drift = 0.04 dB

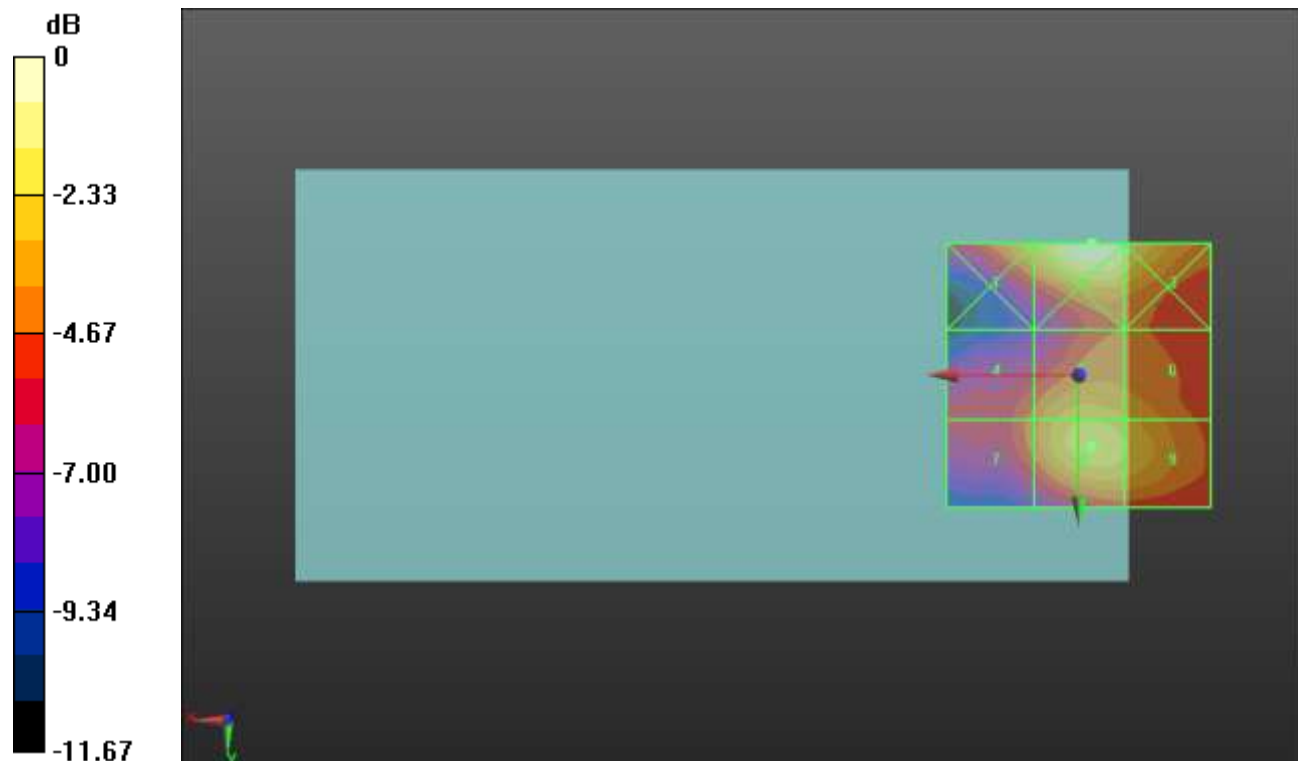
Applied MIF = -3.15 dB

RF audio interference level = 26.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.66 dBV/m	Grid 2 M4 27.94 dBV/m	Grid 3 M4 27.1 dBV/m
Grid 4 M4 23.7 dBV/m	Grid 5 M4 25.66 dBV/m	Grid 6 M4 25.1 dBV/m
Grid 7 M4 23.83 dBV/m	Grid 8 M4 26.2 dBV/m	Grid 9 M4 25.72 dBV/m



0 dB = 24.95 V/m = 27.94 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.50 V/m; Power Drift = 0.02 dB

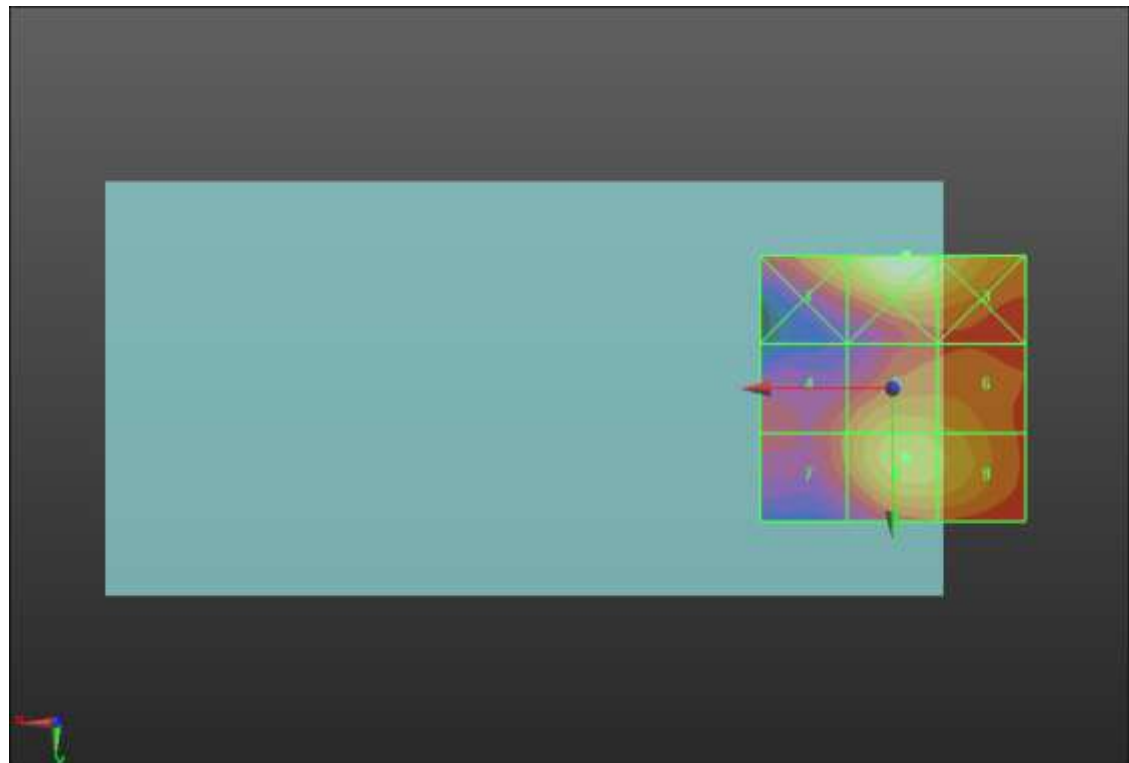
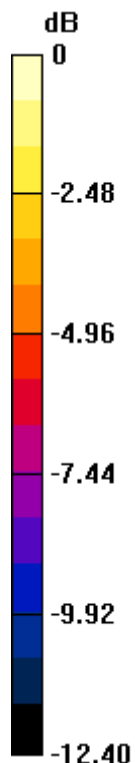
Applied MIF = -3.15 dB

RF audio interference level = 26.38 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.93 dBV/m	Grid 2 M4 28.16 dBV/m	Grid 3 M4 27.37 dBV/m
Grid 4 M4 23.49 dBV/m	Grid 5 M4 25.85 dBV/m	Grid 6 M4 25.37 dBV/m
Grid 7 M4 23.63 dBV/m	Grid 8 M4 26.38 dBV/m	Grid 9 M4 25.96 dBV/m



0 dB = 25.58 V/m = 28.16 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.86 V/m; Power Drift = -0.20 dB

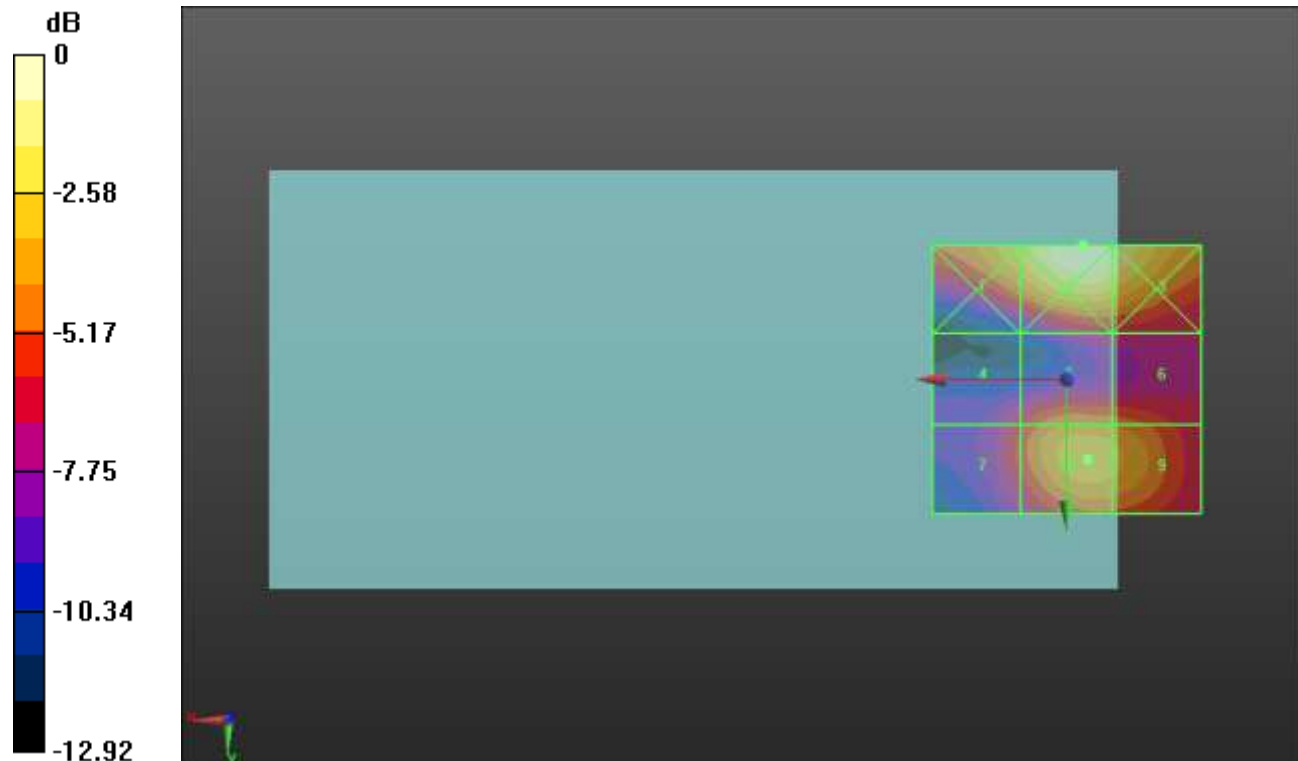
Applied MIF = -3.15 dB

RF audio interference level = 27.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.67 dBV/m	Grid 2 M4 29.95 dBV/m	Grid 3 M4 29.32 dBV/m
Grid 4 M4 23.72 dBV/m	Grid 5 M4 25.87 dBV/m	Grid 6 M4 25.56 dBV/m
Grid 7 M4 24.37 dBV/m	Grid 8 M4 27.16 dBV/m	Grid 9 M4 26.79 dBV/m



0 dB = 31.43 V/m = 29.95 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.45 V/m; Power Drift = -0.11 dB

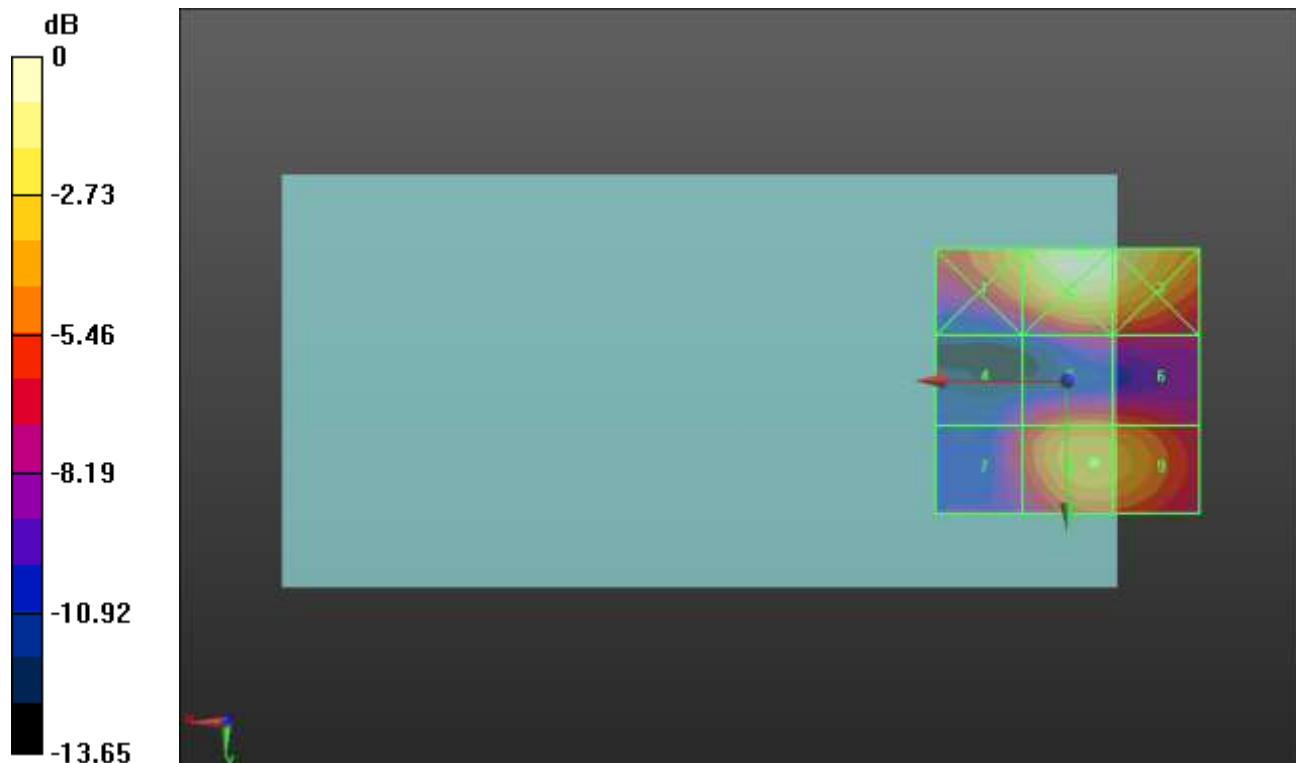
Applied MIF = -3.15 dB

RF audio interference level = 26.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.79 dBV/m	Grid 2 M4 29.31 dBV/m	Grid 3 M4 28.7 dBV/m
Grid 4 M4 21.91 dBV/m	Grid 5 M4 24.65 dBV/m	Grid 6 M4 24.38 dBV/m
Grid 7 M4 22.8 dBV/m	Grid 8 M4 26.58 dBV/m	Grid 9 M4 26.28 dBV/m



0 dB = 29.20 V/m = 29.31 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.88 V/m; Power Drift = -0.01 dB

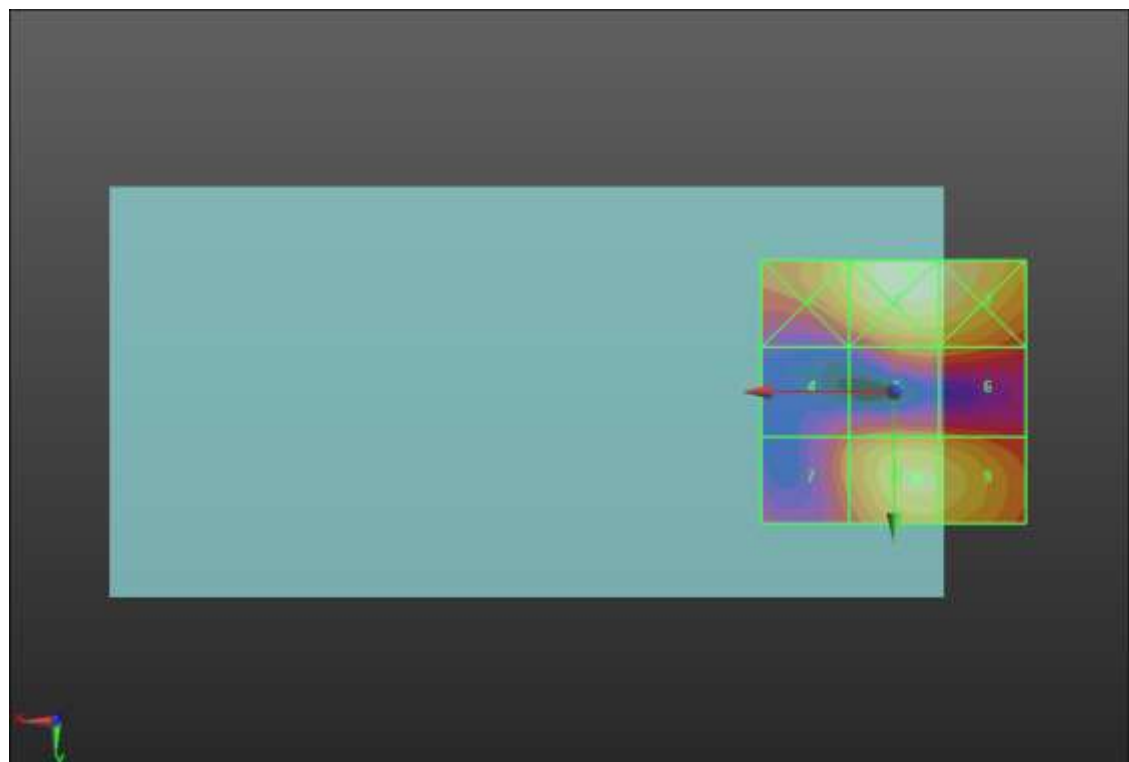
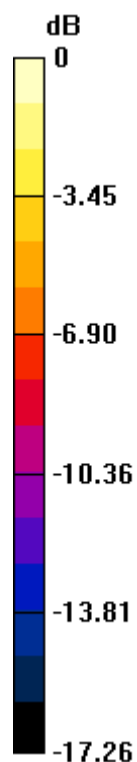
Applied MIF = -3.15 dB

RF audio interference level = 25.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.98 dBV/m	Grid 2 M4 27.68 dBV/m	Grid 3 M4 27.13 dBV/m
Grid 4 M4 20.19 dBV/m	Grid 5 M4 22.21 dBV/m	Grid 6 M4 22.09 dBV/m
Grid 7 M4 21.79 dBV/m	Grid 8 M4 25.71 dBV/m	Grid 9 M4 25.33 dBV/m



0 dB = 24.21 V/m = 27.68 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.88 V/m; Power Drift = -0.31 dB

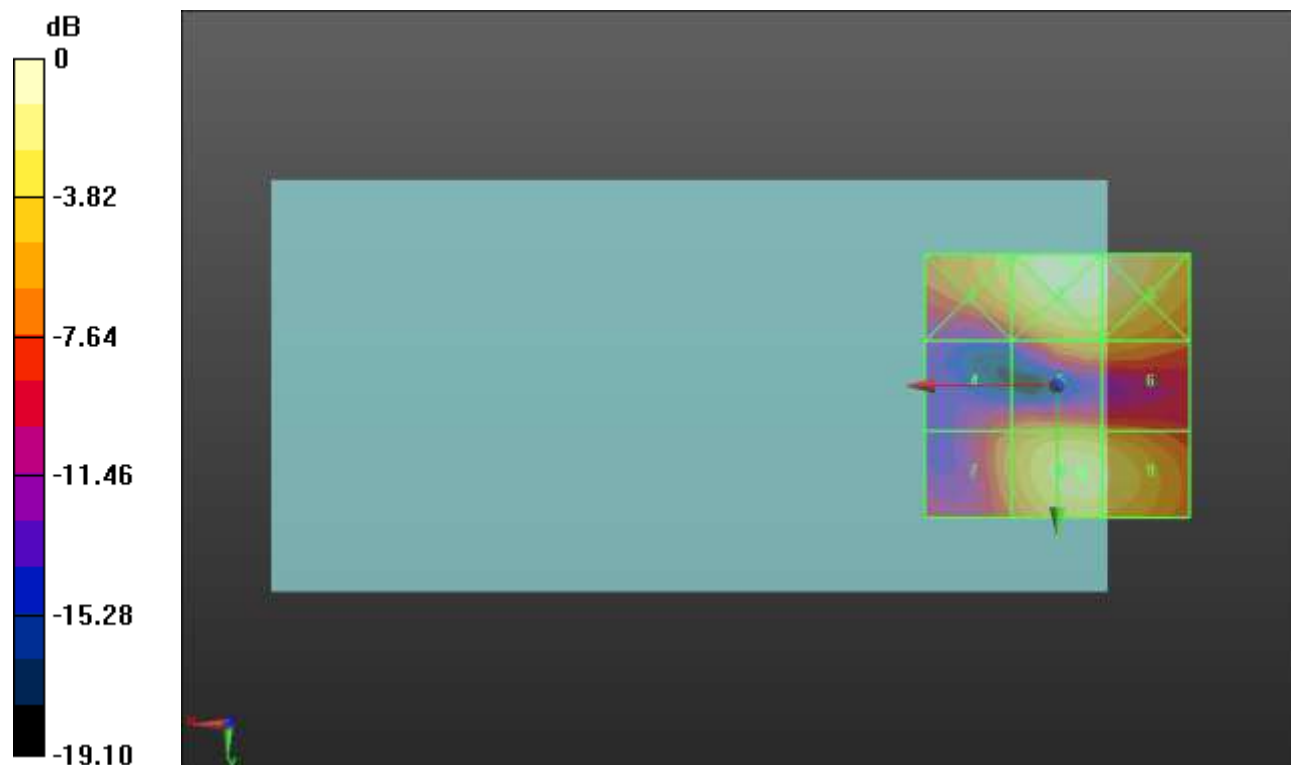
Applied MIF = -3.15 dB

RF audio interference level = 26.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.24 dBV/m	Grid 2 M4 27.9 dBV/m	Grid 3 M4 27.36 dBV/m
Grid 4 M4 20.83 dBV/m	Grid 5 M4 23.03 dBV/m	Grid 6 M4 22.93 dBV/m
Grid 7 M4 22.47 dBV/m	Grid 8 M4 26.22 dBV/m	Grid 9 M4 25.77 dBV/m



0 dB = 24.83 V/m = 27.90 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.22 V/m; Power Drift = -0.16 dB

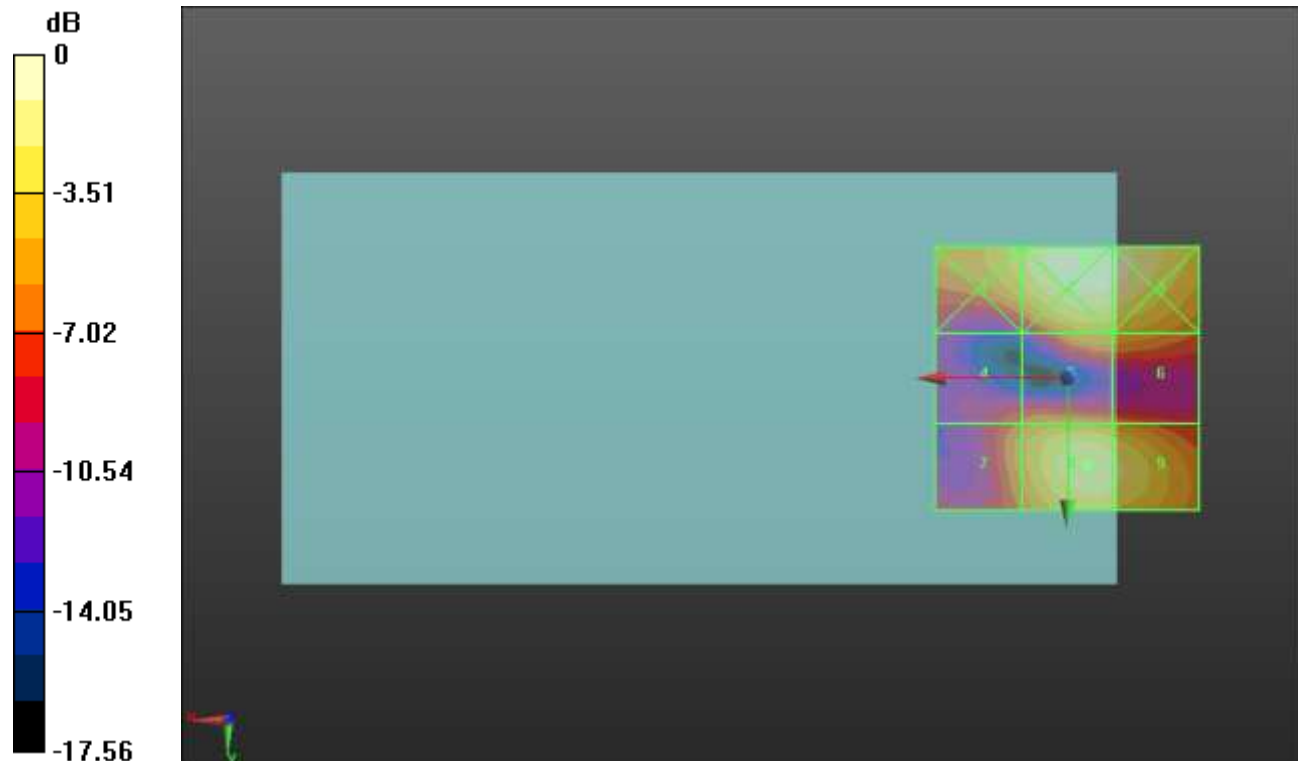
Applied MIF = -3.15 dB

RF audio interference level = 26.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.77 dBV/m	Grid 2 M4 27.39 dBV/m	Grid 3 M4 26.91 dBV/m
Grid 4 M4 20.87 dBV/m	Grid 5 M4 22.9 dBV/m	Grid 6 M4 22.75 dBV/m
Grid 7 M4 22.37 dBV/m	Grid 8 M4 26.01 dBV/m	Grid 9 M4 25.56 dBV/m



0 dB = 23.42 V/m = 27.39 dBV/m

HAC-RF Emission ANT 6

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.96 V/m; Power Drift = -0.12 dB

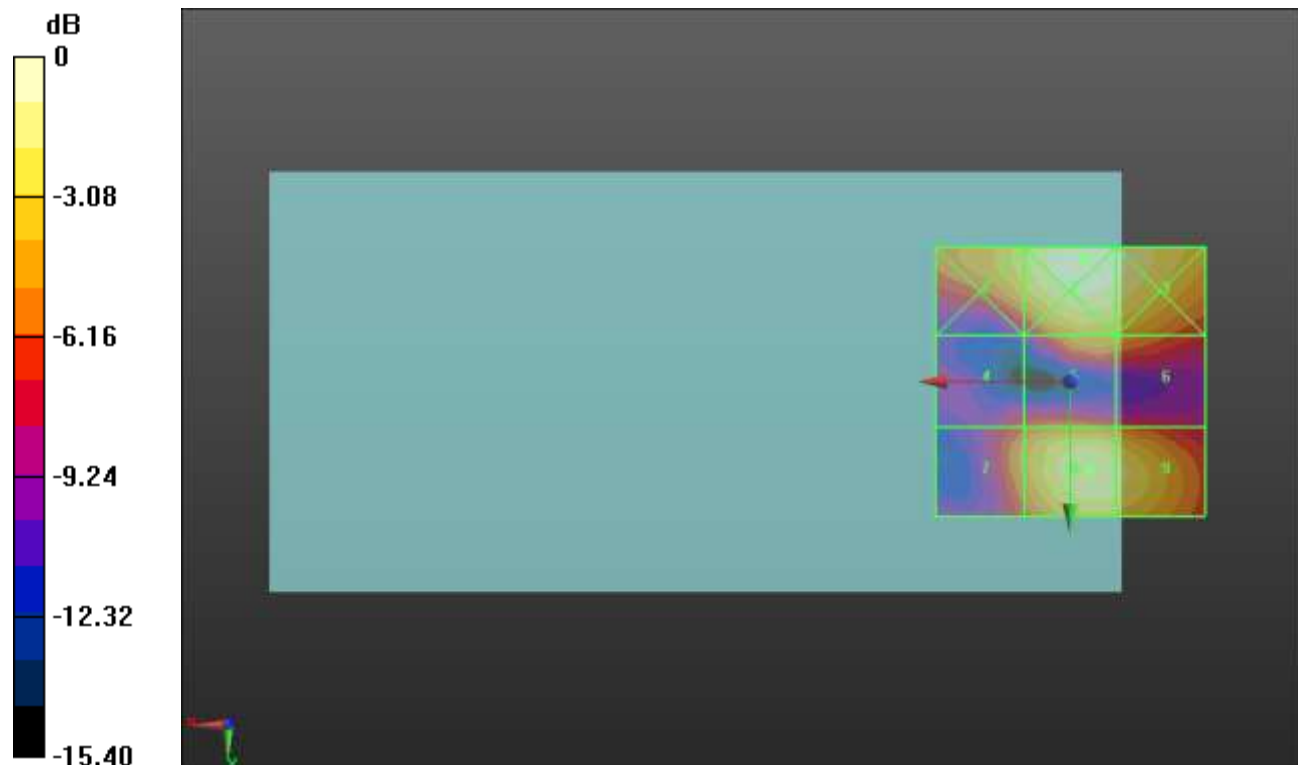
Applied MIF = -3.15 dB

RF audio interference level = 26.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.11 dBV/m	Grid 2 M4 27.45 dBV/m	Grid 3 M4 26.81 dBV/m
Grid 4 M4 20.99 dBV/m	Grid 5 M4 23.4 dBV/m	Grid 6 M4 23.1 dBV/m
Grid 7 M4 22.98 dBV/m	Grid 8 M4 26.47 dBV/m	Grid 9 M4 25.92 dBV/m



0 dB = 23.58 V/m = 27.45 dBV/m